Exhibit No.

Issue: Request for Approval to Join MISO

Witness: Robert Janssen

Sponsoring Party: Dogwood Energy, LLC Type of Exhibit: Surrebuttal Testimony

Case No.: EO-2008-0046

BEFORE THE MISSOURI PUBLIC SERVICE COMMISSION

In the Matter of the Application of Aquila,)	
Inc., d/b/a Aquila Networks - MPS and Aquila)	Case No. EO-2008-0046
Networks - L&P for Authority to Transfer)	
Operational Control of Certain Transmission)	
Assets to the Midwest Independent Transmission)	
System Operator, Inc.)	

SURREBUTTAL TESTIMONY OF

ROBERT JANSSEN ON BEHALF OF

DOGWOOD ENERGY, LLC

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STATE OF DISTRICT of Columbia) ss.			
COUNTY OF			
BEFORE THE MISSOURI PUBLIC SERVICE COMMISSION			
In the Matter of the Application of Aquila, Inc., d/b/a Aquila Networks - MPS and Aquila Networks - L&P for Authority to Transfer Operational Control of Certain Transmission Assets to the Midwest Independent Transmission System Operator, Inc. Case No. EO-2008-0046 Case No. EO-2008-0046			
AFFIDAVIT OF ROBERT JANSSEN			
COMES NOW Robert Janssen, of lawful age, sound of mind and being first duly sworn, deposes and states:			
1. My name is Robert Janssen; I am Vice President for Kelson Energy, Inc., the corporate parent of Dogwood Energy, LLC.			
2. Attached hereto and made a part hereof for all purposes is my Surrebuttal Testimony in the above-referenced case.			
3. I hereby swear and affirm that my statements contained in the attached testimony are true and correct to the best of my knowledge, information and belief. Robert Janssen			
SUBSCRIBED AND SWORN to before me, a Notary Public, this 77 th day of February Notary Public Notary Public			
My Commission Expires: (SEAL) GRACIELA V. BATEN Notary Public District of Columbia My Commission Expires October 15, 2008			

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SURREBUTTAL TESTIMONY OF ROBERT JANSSEN ON BEHALF OF DOGWOOD ENERGY, LLC

PURPOSE AND SUMMARY OF TESTIMONY

1

I.

2	Q.	ARE YOU THE SAME ROBERT JANSSEN THAT PREVIOUSLY
3		SUBMITTED REBUTTAL TESTIMONY IN THIS PROCEEDING?
4	A.	Yes.
5	Q.	AS WITH YOUR REBUTTAL TESTIMONY, DO YOU HOLD THE
6		OPINIONS YOU EXPRESS IN THIS TESTIMONY TO A REASONABLE
7		DEGREE OF CERTAINTY AS AN EXPERT REGARDING ELECTRICAL
8		POWER GENERATION AND TRANSMISSION?
9	A.	Yes.
10	Q.	WHAT IS THE PURPOSE OF YOUR SURREBUTTAL TESTIMONY?
10 11	Q. A.	WHAT IS THE PURPOSE OF YOUR SURREBUTTAL TESTIMONY? The purpose of my Surrebuttal Testimony is to respond to the rebuttal testimonies
11		The purpose of my Surrebuttal Testimony is to respond to the rebuttal testimonies
11 12		The purpose of my Surrebuttal Testimony is to respond to the rebuttal testimonies of Mr. Volpe on behalf of the City of Independence ("Independence"), Messrs.
11 12 13		The purpose of my Surrebuttal Testimony is to respond to the rebuttal testimonies of Mr. Volpe on behalf of the City of Independence ("Independence"), Messrs. Doying and Pfeifenberger on behalf of the Midwest ISO ("MISO"), and Dr.
11 12 13		The purpose of my Surrebuttal Testimony is to respond to the rebuttal testimonies of Mr. Volpe on behalf of the City of Independence ("Independence"), Messrs. Doying and Pfeifenberger on behalf of the Midwest ISO ("MISO"), and Dr. Proctor on behalf of the Commission Staff. The first three gentlemen reach
11 12 13 14		The purpose of my Surrebuttal Testimony is to respond to the rebuttal testimonies of Mr. Volpe on behalf of the City of Independence ("Independence"), Messrs. Doying and Pfeifenberger on behalf of the Midwest ISO ("MISO"), and Dr. Proctor on behalf of the Commission Staff. The first three gentlemen reach conclusions in their rebuttal testimonies that are based on inaccurate information
111 112 113 114 115		The purpose of my Surrebuttal Testimony is to respond to the rebuttal testimonies of Mr. Volpe on behalf of the City of Independence ("Independence"), Messrs. Doying and Pfeifenberger on behalf of the Midwest ISO ("MISO"), and Dr. Proctor on behalf of the Commission Staff. The first three gentlemen reach conclusions in their rebuttal testimonies that are based on inaccurate information and assumptions that I correct in this testimony. In reaching their conclusions,

1 ("SPP"), which would effectively leave Aquila unable to realize the full potential 2 membership benefits of MISO. I also provide additional information on some 3 topics discussed by Dr. Proctor. 4 Q. PLEASE SUMMARIZE YOUR SURREBUTTAL TESTIMONY. 5 A. My testimony addresses five major topics for the purpose of correcting inaccurate 6 statements or assumptions by other witnesses in this proceeding and discussing 7 risks that Aquila would incur by joining MISO rather than SPP. Those topics are: 8 a. Dogwood Energy's ("Dogwood's") Operational History; 9 b. SPP's EIS Market Operations and Costs; 10 c. MISO Market Scope; 11 d. Other Non-Production Cost RTO Benefits; and e. RTO Seams Issues Impacts. 12 13 In summary, regarding Dogwood's operational history, I provide details regarding 14 the operations and history of the plant and explain why it is unreasonable for Mr. 15 Pfeifenberger to rely upon Dogwood's generating output for 2006 and a portion of 16 2007 as corroborating evidence to support some of his assertions regarding the 17 Aquila Study. 18 Regarding SPP's EIS Market operations and costs, I describe the fundamentals of 19 SPP's EIS Market and explain how they are similar to and/or differ from those of 20 the real-time markets of other RTOs and ISOs. Based upon that information, it is 21 clear that Messers. Volpe and Pfeifenberger make erroneous statements and 22 comparisons between SPP's and MISO's markets in their testimonies. In

particular, Mr. Volpe's comparisons regarding the future administrative costs of MISO and SPP in his testimony and his response to Data Request No. ILA-002 IND are unreliable as a result of his incorrect assumptions regarding the SPP EIS Market and his erroneous interpretation of SPP's administrative cost accounting.

Regarding the scope of MISO's markets and their availability to Aquila Missouri ("Aquila"), I rebut Mr. Volpe's statements as overbroad and unsupported since he did not consider the fact that the economic supply of power must take into account the cost of transmission congestion regardless of the overall size of an RTO market.

Finally, I discuss the RTO seams issues that would be created if Aquila joined MISO and the consequent risks that would be incurred by both Aquila and other adjacent utilities in Missouri. I agree with Dr. Proctor that if Aquila joins MISO, a robust seams agreement between MISO and AECI would be a necessary precondition. In my testimony, I also discuss the transmission system constraints (flowgates) that exist within and around Aquila and explain the potential risks that would be created if Aquila joined MISO rather than SPP. Failure to adequately resolve these seams would create significant uncertainties regarding whether Aquila would be able to obtain any of the projected benefits from joining MISO. As a result, I conclude that an expanded arrangement between SPP and MISO that includes cost allocation for generation redispatch over the potential new SPP /

1 MISO border between Aquila Missouri and KCP&L would be needed in addition 2 to a more robust seams agreement between MISO and AECI if the Commission 3 were to approve Aquila's request to join MISO. 4 II. DOGWOOD ENERGY'S OPERATIONAL HISTORY 5 Q. TO WHAT TESTIMONY DO YOU WISH TO RESPOND REGARDING 6 DOGWOOD ENERGY'S OPERATIONAL HISTORY? 7 A. In his Rebuttal Testimony, Mr. Pfeifenberger reaches the conclusion that "the 8 larger SPP benefits as well as the large displacement of Aquila Missouri 9 generation in the SPP case are driven almost entirely by the Aquila Study's 10 assumptions and results for the commitment and dispatch of a single merchant 11 power plant ... in Aquila's control area." (Pfeifenberger Rebuttal at p. 4, lines 8-12 11). That plant is the Dogwood Energy generating facility. 13 As a result, Mr. Pfeifenberger states that "[t]he bottom line is that the Aquila 14 Study incorrectly overstates the estimated benefits of Aquila being in SPP relative 15 to the benefit of Aquila joining the Midwest ISO." (Pfeifenberger Rebuttal at 16 p.11, lines 11-12). 17 In support of this conclusion, Mr. Pfeifenberger presents what he calls "several 18 pieces of clear and corroborating evidence", that he relies upon to substantiate his

assertions. (Pfeifenberger Rebuttal at p. 11, lines 13-16). First, he compares the

2 in the Aquila Study with the actual historic generation of the plant. He presents 3 this information in Figure 1 of his Rebuttal Testimony on page 12. 4 Based on his review of the 2006 and 2007 year-to-date generation data, Mr. 5 Pfeifenberger concludes that the market simulation of the "Aquila Stand Alone" 6 and the "Aquila in MISO" study cases resulted in "substantially greater dispatch 7 of the [Dogwood] plant than the dispatch levels the plant ... actually experienced 8 in 2006 and 2007." He also concludes that the Aquila in SPP case "resulted in a 9 simulated [Dogwood] dispatch that is close to the plant's actual operations during 10 2006." (Pfeifenberger Rebuttal at p. 12, lines 2-7). 11 Mr. Pfeifenberger's comparison of the 2008 simulation results of the Aquila 12 Study cases to Dogwood's historic operations is flawed due to the operating 13 history of the Dogwood plant. As a result, the "clear and corroborating evidence" 14 that Mr. Pfeifenberger relies upon does not provide such corroboration. 15 Q. PLEASE EXPLAIN THE HISTORY OF THE DOGWOOD ENERGY 16 **GENERATING FACILITY.** 17 A. The generating facility now owned by Dogwood Energy, LLC was originally 18 constructed in 2001 as a joint venture between Aquila and Calpine and was called 19 the Aries plant. The plant's full combined cycle output was available to the

simulated dispatch of the Dogwood facility in 2008 for the three cases presented

market in 2002. Aquila pulled out of the venture in March 2004, and its power purchase agreement with the plant expired at the end of May 2005. For unrelated reasons, Calpine filed for bankruptcy in December 2005. Approximately two years later, the "Aries" plant was put up for auction by Calpine. Kelson Energy ("Kelson") won the auction, acquired the plant in January 2007, and set up a subsidiary named Dogwood Energy, LLC to hold its interests in the plant.¹

7 Q. PLEASE DESCRIBE THE OPERATIONS OF THE DOGWOOD

FACILITY AFTER DOGWOOD ENERGY ACQUIRED THE FACILITY?

Kelson Energy's due diligence during the acquisition process indicated that while the plant required a significant amount of maintenance and repair, it could be made operational in time to meet the energy needs of the region during Summer 2007. Further, its performance could continue to be improved over time with additional investments. Dogwood spent several months in an extended maintenance outage in early 2007 after being acquired and was made available to the market again in May 2007. The Dogwood generating facility operated reliably to supply its wholesale power customers in the region for the remainder of 2007. Today, Kelson continues to invest in operational enhancements at Dogwood to improve the performance of the facility.

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A.

¹ Technically, Cass County, Missouri owns the plant under the bonding agreement and Dogwood leases the facility. However, for purposes of this testimony, I will refer to the plant as being "owned" or "acquired" by Dogwood.

1 Q. WAS DOGWOOD'S GENERATING OUTPUT IN 2007 UNDER ITS NEW

MANAGEMENT CONSISTENT WITH ITS OPERATING HISTORY IN

PRIOR YEARS?

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4 A. Its full-year output in 2007 was close to being consistent with the plant's 5 operating history during 2002 to 2004 while it was under a purchase power 6 agreement with Aquila Missouri. Dogwood produced approximately 781,000 7 MWhs during 2007. This output level was slightly less than the 866,000 MWh 8 output annual average during 2002 to 2004. Part of the reason for the slightly 9 reduced output in 2007 was due to the extended maintenance outage in early 10 2007. During 2002 to 2004, the plant's output averaged approximately 173,000 11 MWh during the first four months of each year. The chart below compares 12 Dogwood's 2007 output to its annual average output for the period from 2002 to 13 2004.

Chart 1

DOGWOOD ENERGY GENERATING OUTPUT

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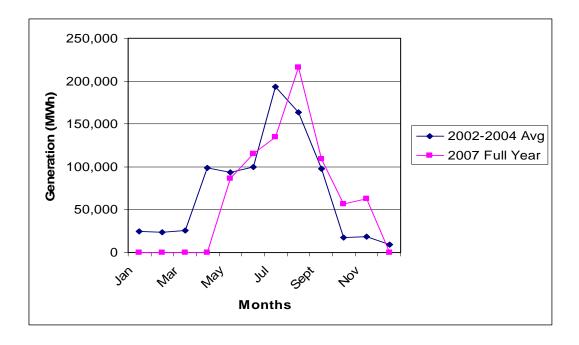
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Source: Historical generation data for Dogwood Energy / Aries

However, Dogwood's output in 2007 was not consistent with operations during 2005 and 2006. As mentioned previously, a power sales agreement with Aquila ended in May 2005, and Calpine filed for bankruptcy in December 2005. As a result, the plant's output for both 2005 and 2006 was drastically lower than the previous 2002 to 2004 period and inconsistent with both the previous and current operations of the plant.

10 Q. WHAT IS THE IMPACT OF THE ACTUAL HISTORY OF DOGWOOD'S 11 OPERATIONS ON MR. PFEIFENBERGER'S RELIANCE ON

DOGWOOD'S GENERATING OUTPUT FOR 2006 AND 2007 AS

CORROBORATING EVIDENCE FOR HIS CONCLUSIONS?

A.

It means that Mr. Pfeifenberger cannot reasonably rely on Dogwood's 2005 or 2006 generating output as being indicative of any reasonable future operating scenario for the purpose of making conclusions regarding the Aquila Study. Further, I believe that use of the plant's 2007 generating output also is not advisable for benchmarking purposes in comparison to the Aquila Study scenarios, due to the performance improvements planned for Dogwood in the near future and the fact that it was only Kelson's first year of managing and operating the plant.

In addition, Mr. Pfeifenberger incorrectly concludes that "under actual market conditions the [Dogwood] plant generally is not dispatched during the fall, winter and early spring." (Pfeifenberger Rebuttal at p. 12, lines 9-10). Dogwood's operations in 2007 and during the 2002 to 2004 period show that this is simply not true. Mr. Pfeifenberger reached this conclusion based on the aberrant generation output in 2006 and a partial year of data for 2007, which included an extended maintenance outage at the beginning of the year. As shown in the chart above, during 2002 to 2004, slightly more than one-third of Dogwood's output occurred during the period from September to April, which is the period that I interpret as being consistent with the fall, winter and early spring period referenced by Mr. Pfeifenberger.

III. SPP'S EIS MARKET OPERATIONS AND COSTS

A. SPP EIS MARKET OPERATIONS

3 Q. TO WHAT TESTIMONY DO YOU WISH TO RESPOND REGARDING

4 SPP'S EIS MARKET OPERATIONS?

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- 5 A. I wish to respond to the testimony of City of Independence and MISO witnesses.
- These witnesses do not provide an accurate description in their testimonies of the
- 7 type of energy market SPP has developed and operated for over a year.
- 8 Therefore, certain conclusions they reach are incorrect.
- 9 First, Mr. Volpe states on pages 6-7 of his Rebuttal Testimony that:

[t]he current SPP energy market consists primarily of a market for imbalance energy. Imbalance energy is the difference between the amount of energy that actually flows from each generator and to each load, and the amount that was prearranged through schedules. This is in contrast to Midwest ISO Day-Ahead and Real-Time security constrained markets where Network Resources are required to submit offers to supply their generation in the Day-Ahead Energy market. The major difference between the SPP model and the Midwest ISO's market is that there is no financially binding Day-Ahead market within SPP's market design and the majority of the transactions in SPP occur on a bilateral basis because there is no centrally administered market as there is in the Midwest ISO. Furthermore, in SPP there are no Financial Transmission Rights to provide customers with the opportunity to hedge against the costs of congestion in a Locational Marginal Price based market as is the case in the Midwest ISO. SPP thus still utilizes TLRs to address congestion, rather than the Midwest ISO's use of congestion charges based on locational marginal pricing and Financial Transmission Rights (FTRs) to enable hedging against congestion charges.

- As I will discuss further below, based on the incorrect and contradictory
- statements he makes above regarding SPP's energy imbalance (EIS) market, it is

clear that Mr. Volpe does not understand the details of how it operates. Further, in his analysis of RTO administrative costs in response to Data Request No. ILA-002 IND (copy attached hereto as Schedule RJJ-4), Mr. Volpe erroneously excludes any cost of an existing energy market in SPP from his analysis, even though Mr. Volpe acknowledges in his testimony, as stated above, that one does exist. Similarly, Mr. Pfeifenberger states that SPP's current market structure is a Day-1 design that would continue to exist for at least several more years. (Pfeifenberger Rebuttal at p. 24, lines 4-8). He continues by stating: Until SPP implements a Day-2 market design, however, certain inefficiencies in unit commitment, generation dispatch, and congestion management would continue to exist within the SPP footprint. These inefficiencies – which include suboptimal utilization of the transmission system in the absence of market-based congestion management – would mean higher total generation costs compared to a Day-2 market design. Mr. Pfeifenberger also states that: The Midwest ISO market, featuring a day-ahead and real-time energy market with centralized unit commitment and dispatch, is sometimes referred to as a "Day-2" market. By contrast, the current SPP market is sometimes referred to as a "Day-1" market. The Midwest ISO evolved from a Day-1 market to a Day-2 market on April 1, 2005. (Pfeifenberger Rebuttal at p. 5, footnote 2). Because one of the primary distinctions between a Day-1 RTO and a Day-2 RTO is that a Day-1 RTO lacks energy markets, including a real-time (or "same day" market), these statements by Mr. Pfeifenberger could be contradictory and

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misleading. While he acknowledges that SPP has an energy imbalance market, he
does not accurately state how such a market operates or fits in with a Day-2 RTO
design.² Further, Mr. Pfeifenberger acknowledged in response to a data request
that he is not familiar with SPP's market operations.³

5 Q. DOES DR. PROCTOR DISCUSS THE SPP ENERGY MARKET IN HIS

REBUTTAL TESTIMONY?

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7 A. Yes, he does. Dr. Proctor states that SPP has a real-time energy market, in contrast to MISO which has both a real-time energy market and a day-ahead market. (Proctor Rebuttal at p. 24, lines 15-16).

10 Q. DOES DR. PROCTOR DRAW ANY OTHER DISTINCTION BETWEEN

SPP'S EIS MARKET AND MISO'S REAL-TIME ENERGY MARKET?

A. Other than stating that SPP and MISO have different systems for financial transmission rights, he does not. (Proctor Rebuttal at p. 24, lines 16-17). Due to his involvement in SPP stakeholder activities, and SPP market development activities in particular, Dr. Proctor correctly describes SPP's EIS Market as a real-time energy market, while the other two witnesses are apparently not familiar with the EIS Market in any great detail and do not seem to understand how an "imbalance" energy market could be a robust, real-time energy market in SPP.

For additional information, please see Schedule RJJ-5 which contains an excerpt from the Staff Report on Cost Ranges for the Development and Operation of a Day One Regional Transmission Organization, October 2004, FERC Docket No. PL04-16-000

³ See Response 11 in Midwest ISO's responses to Dogwood's Data Requests at Schedule RJJ-6.

1 Q. WHAT IS YOUR OWN EXPERIENCE WITH SPP'S ENERGY MARKET? 2 A. I am very familiar with SPP's development and operation of its energy market. 3 For over two years I have represented Redbud Energy in SPP stakeholder groups 4 as a member of SPP and an independent power producer ("IPP") participant in the 5 market. Prior to that, from mid-2004 to late 2005, I was engaged by SPP as part 6 of its external independent market monitoring team to help develop the generation 7 and transmission market monitoring and mitigation plans for SPP, as required by 8 FERC. 9 Q. PLEASE DESCRIBE SPP'S CURRENT EIS (OR REAL-TIME ENERGY) 10 MARKET. 11 A. On February 1, 2007, SPP successfully started its Energy Imbalance Service 12 It is a real-time energy market that provides region-wide, security market. 13 constrained, economic dispatch for all generating facilities within SPP's market 14 footprint based on the concept of locational marginal pricing on a nodal basis. 15 SPP refers to its real-time energy market as an Energy Imbalance Service ("EIS") 16 market because it was originally developed and executed as a replacement for 17 SPP's Schedule 4 OATT tariff for imbalance energy. Because the concept of 18 imbalance energy was retained, that is, variations in generating output from a 19 defined transmission schedule, I have noticed that the name of this market tends

to cause confusion because to some it incorrectly implies a limited or negligible energy market based on how imbalance energy service tended to work previously.

All generating facilities that participate in the SPP EIS market offer their dispatchable range to the market in full, thereby allowing SPP, as the market operator, to deploy generating facilities at any point within their dispatchable range based upon region-wide economics, just as in any other real-time energy market. The imbalance nature of the market impacts only the settlement phase of the market when participants' generation and load are settled based on deviations from physical transmission schedules rather than settling all energy or load in the market. This design purposefully emphasizes the continuing importance of bilateral transactions within the SPP region, from both economic and reliability perspectives.

13 Q. PLEASE PROVIDE AN EXAMPLE OF HOW THE SPP EIS MARKET 14 WORKS.

A. Let's assume that a natural gas-fired, combined cycle facility is operating and makes its output available to the EIS market for economic dispatch. Further, let's assume that the dispatchable range provided to SPP through the facility's Resource Plan for each hour of the day is between 150 MW and 230 MW.

⁴ A Resource Plan is provided by each Market Participant for each registered Resource, which can be generation or controllable load, to SPP on an hourly basis. It includes information regarding the Resource's operating capabilities and whether it is available for economic dispatch by SPP in the EIS Market.

Finally, let's assume that the plant has a combination of firm and/or non-firm power sales backed by physical transmission schedules in the amount of 200 MW. Depending on region-wide generation prices and load levels, SPP will send the facility a deployment signal every five minutes to indicate its target level of generation output. The plant will follow SPP's deployment signals, and at the end of each hour, if its integrated output for the hour is above its 200 MW of transmission schedules, the facility will be paid its nodal EIS Market price (the Locational Imbalance Price ("LIP")) for each MW of its integrated hourly output above 200 MW. Similarly, if the plant's total output for the hour is below 200 MW, it will pay for each MW of output that it did not generate less than that amount. While this is a simplified example and does not address issues such as reserve energy deployment events, uninstructed resource deviation, or transmission service curtailments, it nonetheless provides an accurate portrayal of the essence of the day-to-day operations of SPP's EIS Market.

In summary, the real-time EIS market is substantially similar to the real-time energy market of any other RTO or ISO operating in the United States today. A generator is centrally dispatched based on offered prices, and it can be deployed by the RTO at any point within its dispatchable range based on the region-wide economics that the RTO sees and translates into a locational marginal price at the generator's pricing node. Any significant differences are either regional in nature, or are due to the fact that SPP uses physical rather than financial transmission

- rights today to support the functioning of its EIS Market. The physical transmission rights in SPP provide a congestion hedge for both purchasers and sellers of power, even though they do not operate in the same fashion as the Financial Transmission Rights ("FTRs") in MISO or similar variations in other RTO and ISO markets.
- 6 Q. PLEASE EXPLAIN IN MORE DETAIL WHY MR. VOLPE'S
- 7 STATEMENTS REGARDING THE EIS MARKET ARE
- 8 **CONTRADICTORY.**
- 9 A. In view of my discussion above regarding the SPP EIS Market, Mr. Volpe's 10 description of MISO's markets as being "security constrained" in contrast to 11 SPP's market and his statement that there is no centrally administered market in 12 SPP as there is in the Midwest ISO are simply not accurate. As I described above, 13 SPP's EIS Market is a region-wide, security constrained, real-time energy market. 14 Mr. Volpe further confuses the issue by stating that customers in SPP have no 15 opportunity to hedge against the costs of congestion because they do not have 16 FTRs, when in fact, SPP Market Participants do use their physical transmission 17 rights to hedge such costs under the EIS Market today.
- 18 Q. DOES SPP STILL USE THE TRANSMISSION LOADING RELIEF
 19 ("TLR") PROCEDURE AS ASSERTED BY MR. VOLPE?
- 20 A. Yes, but Mr. Volpe does not accurately portray in his testimony the use of TLRs

in SPP's EIS market. TLRs in SPP are now the mechanism used to activate the EIS Market's response to a physical transmission constraint that could cause a reliability problem. SPP still calls TLRs as it did prior to the start-up of the EIS Market, but the TLR itself no longer controls the operating levels of generators that have offered their output to SPP for economic dispatch. Instead, calling a TLR notifies SPP's market operator(s) that a particular transmission constraint (which is on a flowgate in SPP) needs to be activated for potential economic redispatch due to anticipated congestion on those transmission elements. Therefore, in contrast to Mr. Volpe's statements, the TLR itself has very little impact on controlling congestion in SPP under the EIS market. Instead the TLR largely serves to manage schedule curtailments for the purpose of maintaining a feasible set of transmission schedules. It is the EIS Market's security constrained economic dispatch based on locational marginal pricing, which is separately activated when SPP calls a TLR, that truly manages most congestion in SPP today.

Q. PLEASE EXPLAIN IN MORE DETAIL WHY MR. PFEIFENBERGER'S

17 STATEMENTS REGARDING THE EIS MARKET ARE

CONTRADICTORY?

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A. As I stated above, Mr. Pfeifenberger discusses in his Rebuttal testimony that certain inefficiencies will continue to exist in SPP until SPP implements a Day-2 market design. He specifically emphasizes suboptimal utilization of the

transmission system in the absence of market-based congestion management as one of these inefficiencies. However, as I stated above in response to Mr. Volpe's assertion regarding SPP's use of TLRs, when congestion is encountered in SPP it is now cleared more efficiently using market-based congestion management through SPP's EIS Market than it was by using TLRs alone prior to February 1, 2007.

Also, in his testimony that I referenced above, Mr. Pfeifenberger equates SPP's status as a Day-1 RTO today as being similar to MISO's status as a Day-1 RTO prior to April 1, 2005. This is a misleading statement, because MISO did not operate a real-time energy market, and hence did not utilize market-based congestion management of any sort, prior to April 1, 2005. While SPP today is not exactly a Day-2 RTO since it lacks a Day-Ahead energy market, the congestion management and regional economic dispatch provided by SPP's EIS market still make it a fundamentally different market than MISO's prior to April 1, 2005.

B. SPP EIS MARKET COSTS

Q. TO WHAT TESTIMONY DO YOU WISH TO RESPOND REGARDING

18 SPP'S MARKET COSTS?

19 A. Mr. Volpe asserts in his Rebuttal Testimony that SPP's administrative costs are
20 likely to be higher for Aquila than they would otherwise be if Aquila were to join

the Midwest ISO. (Volpe Rebuttal at p. 5, lines 5-7). He discusses this topic in slightly more detail on pages 10-11 of his Rebuttal Testimony, but he provides no quantification of potential differences in either MISO's or SPP's administrative costs in his testimony. Instead, Mr. Volpe's testimony relies on two assertions, which are that: (a) RTO administrative costs associated with developing and operating an energy market are largely fixed costs and therefore SPP's administrative costs should be higher than MISO's because SPP is approximately 1/3 the size of MISO; and (b) CRA's forecasted administrative costs for SPP and MISO are not comparable and do not contain the same services. His conclusion is that any "[a]djustments that show higher SPP administrative costs and lower Midwest ISO administrative costs would further reduce the difference in total benefits of RTO, thus further eroding the study's implication that SPP participation would be more beneficial than Midwest ISO participation." (Volpe Rebuttal at p. 11, lines 9-13).

- Q. HAS MR. VOLPE ATTEMPTED TO QUANTIFY HIS ASSERTIONS
 REGARDING THE DIFFERENCES IN SPP'S AND MISO'S
- 17 ADMINISTRATIVE COSTS SINCE HE FILED HIS REBUTTAL
- **TESTIMONY?**

- 19 A. Yes, he has. In response to Data Request No. ILA-002 IND, Mr. Volpe provided
- a detailed discussion and set of analyses purporting to show that in the long term,
- 21 SPP's administrative costs will be approximately 6.3 cents per MWh higher than

- 1 MISO's during the period from 2012 to 2017, and presumably beyond. (Schedule
- 2 RJJ-4 at p. 3).
- 3 Q. HOW DO YOU RESPOND TO MR. VOLPE'S ANALYSIS AND
- 4 QUANTIFICATION OF SPP'S AND MISO'S ADMINISTRATIVE
- 5 COSTS?
- 6 A. Presuming that Mr. Volpe's analysis in response to Data Request No. ILA-002
- 7 IND is a proper basis for comparison of the two RTO's costs, which I will not
- 8 attempt to dispute at this time, it is critical to note that it contains one significant
- 9 error that when corrected, completely changes the conclusion that Mr. Volpe
- reaches from his calculations. First, as discussed above in a previous section of
- my testimony, Mr. Volpe has not taken into account the fact that SPP is operating
- a real-time energy market. As a result, Mr. Volpe provides SPP with no credit in
- his analysis for SPP's current operation of such market. (Ibid. at p. 3, Table A).
- 14 Q. ARE SPP'S COSTS OF OPERATING ITS REAL-TIME ENERGY
- 15 **MARKET DOCUMENTED?**
- 16 A. Yes, they are included in the same document from SPP that Mr. Volpe uses to
- 17 support his conclusions.
- 18 Q. PLEASE EXPLAIN.
- 19 A. As an exhibit to his response, Mr. Volpe includes a cost breakdown of SPP's

administrative charges for 2007 that SPP makes available pursuant to FERC Order No. 668. (Ibid.). This exhibit shows that 9.7 cents per MWh out of SPP's total 19.0 cents per MWh in total administrative charges are allocated to account 575.7, which is titled "Market Facilitation, Monitoring and Compliance Services."

As confirmed by SPP in its response to Dogwood Data Request 1-1 (a copy of which is attached hereto as Schedule RJJ-7), account 575.7 documents the portion of its administrative charges that are attributable to its development and operation of its real-time energy market.

9 Q. WHAT IS THE IMPACT OF THIS INFORMATION ON MR. VOLPE'S

ANALYSIS?

A.

This information results in a complete reversal of the conclusion that Mr. Volpe reaches in both his testimony and in his response to Data Request No. ILA-002 IND that SPP's administrative charges should be higher than MISO's in the long run, which would reduce the benefits Aquila would receive if it joined SPP rather than MISO. I have edited Mr. Volpe's analysis in Table A and provided it as Schedule RJJ-8 to show how the results would change if Mr. Volpe had provided SPP with full credit for its costs of operating its EIS Market. This correction shows that instead of SPP's costs being 6.3 cents per MWh higher in 2017 than MISO's, they should be 3.4 cents per MWh less, according to Mr. Volpe's own analysis (under the 20% market implementation cost reduction scenario). As a

- 1 result, in contrast to Mr. Volpe's assertions, the benefits that Aquila would obtain
- 2 from joining SPP rather than MISO would increase rather than decrease.

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Q. 3 DO YOU HAVE ANY OTHER COMMENTS REGARDING MR. VOLPE'S

ARGUMENTS REGARDING SPP'S ADMINISTRATIVE COSTS?

5 A. Yes. While Mr. Volpe's arguments regarding the fixed cost nature of RTOs may 6 seem reasonable from a purely theoretical standpoint, he misses the mark on some 7 extremely important real world issues and consequently draws incorrect 8

conclusions regarding economies of scale or lack thereof for SPP.

The first point is his erroneous implicit assumption that SPP's size and boundaries will remain static in comparison to MISO. Over the past decade, the boundaries of RTOs, including MISO and SPP, have not been constant. The trend has generally been toward increases in size and scope. While there will be utilities that are likely to stay out of organized regional markets, numerous parties that initially remained on the sidelines have seen the benefits and started moving into RTOs, such as PJM, MISO and SPP. In some cases, these parties enjoy full participation right from the start, and in some cases it is a more gradual process, with a utility initially taking some non-market services, and then utilizing additional marketrelated services over time. Aquila appears to be one potential example of this latter case. In any event, Mr. Volpe's assumption that SPP will always be at a significant disadvantage to MISO when it comes to economies of scale is

unsupportable, even in the near-term, much less in the long-term. This is particularly true when one considers the fact that many of the utilities that border SPP are not already full market participants in another RTO, which provides SPP's RTO footprint room to expand without encroaching on the territory of another RTO.

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The second point is that Mr. Volpe does not consider that SPP could realize that it might be under pressure to reduce costs and/or increase the benefits it provides, either at its members' urging, state or federal regulators' urging, or simply to remain competitive in providing RTO services, and therefore might take actions to either reduce its costs or increase its revenues from other sources. As one example of this, over the past few years, SPP has been relatively aggressive in marketing its provision of non-market RTO services to non-SPP utilities, and its successes include its current Independent Transmission Organization ("ITO") work for Louisville Gas and Electric / Kentucky Utilities Co and its Independent Coordinator of Transmission ("ICT") work for Entergy. The additional revenues provided by these services supplement those SPP obtains from its own members, thereby reducing SPP's cost burden on its members and reducing SPP's administrative charge on a cents per MWh basis. And, as another example, SPP's administrative charges also include the costs of operating the Regional Reliability Entity for the SPP footprint, which unlike most other RTOs, SPP does in order to provide additional economies of scale for its members and to eliminate

1		duplicative reliability efforts being performed by two different organizations
2		covering the same region of the country, which reduces overall costs to SPP's
3		members.
4		IV. MISO MARKET SCOPE
5	Q.	TO WHAT TESTIMONY REGARDING THE SCOPE OF MISO'S
6		MARKET DO YOU WISH TO RESPOND?
7	A.	Mr. Volpe states in his Rebuttal Testimony that Aquila's participation in the
8		MISO markets would:
9 10 11 12 13 14		allow Aquila on behalf of its customers, and the City and other wholesale customers, to access a large geographical region stretching from the Atlantic Ocean to the Rocky Mountains and from Manitoba to the state of Missouri. Access to markets of this breadth and scope, given the City's direct interconnections to Aquila, is superior to the region covered by SPP." (Volpe Rebuttal at p. 5, lines 17-22).
15	Q.	DO YOU AGREE WITH MR. VOLPE THAT THE FULL "BREADTH
16		AND SCOPE" OF THE MISO / PJM COMBINED MARKET WILL BE
17		AVAILABLE TO AQUILA IF IT JOINS MISO?
18	A.	Not on a practical day-to-day basis as I believe Mr. Volpe's unqualified statement
19		suggests. Even in MISO's and PJM's markets, which use FTRs, economic access
20		to power supplies is limited by transmission system congestion. In those markets,
21		a purchaser may be able to schedule energy supplies from any supplier in the
22		market, but the purchase price will economically need to reflect the cost of either
23		acquiring FTRs from the source to the sink for the period of the transaction, or the

1 potential risk of paying for any transmission congestion that adds to the price of 2 the power purchase that was not hedged by the acquisition of FTRs. As a result, 3 the location and duration of transmission congestion limits the distances over 4 which power can be economically purchased even in the MISO and PJM markets. 5 V. **RTO SEAMS ISSUES IMPACTS** 6 Q. TO WHAT TESTIMONY DO YOU WISH TO RESPOND REGARDING **RTO SEAMS ISSUES IMPACTS?** 7 8 A. In his Rebuttal Testimony, Dr. Proctor addresses two important issues regarding 9 Aguila's choice of an RTO, which are transmission interconnections and seams 10 agreements, both of which involve the issue of congestion management. (Proctor 11 Rebuttal at p.4, line 25 to p.5, line 9). Q. DID CITY OF INDEPENDENCE OR MISO WITNESSES SPECIFICALLY 12 13 ADDRESS RTO SEAMS ISSUES IN THEIR REBUTTAL TESTIMONIES? 14 A. No, they did not. 15 Q. ARE RTO SEAMS ISSUES IMPORTANT? 16 A. Yes, they are. Failure to adequately address seams issues between adjacent RTOs 17 or between an RTO and any non-RTO utilities adjacent to it can cause RTO 18 members to fail to obtain the full benefits of energy market participation.

1 Q. WHAT IS YOUR OVERALL RESPONSE TO DR. PROCTOR'S

2 **TESTIMONY?**

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3 A. I believe that Dr. Proctor's Rebuttal Testimony does a good job of discussing and 4 providing details regarding Aquila's transmission interconnections. (See Proctor 5 Rebuttal at p. 29 to 31 and Schedules 1 and 2). Dr. Proctor uses this information 6 to discuss how critical Associated Electric Cooperative, Inc. ("AECI") is to 7 Aquila's interconnection with MISO. This leads him to correctly conclude that a 8 direct seams agreement between MISO and AECI that addresses Reciprocal 9 Coordinated Flowgates ("RCFs") in a manner similar to that included in the SPP-10 MISO Joint Operating Agreement ("JOA") is a necessary precondition to Aquila 11 joining MISO. (Proctor Rebuttal at p. 34-35).

12 Q. DO YOU AGREE WITH DR. PROCTOR THAT SUCH A SEAMS

AGREEMENT IS NECESSARY?

14 A. Yes. In general, adequate seams agreements between RTOs and neighboring 15 RTOs or utilities are needed to avoid unnecessary adverse impacts across the 16 "seam" or border between the two entities. The issues to be addressed in such 17 seams agreements can vary depending on the level of market development in each 18 of the two entities, as well as the nature of the seam between the two entities. For 19 MISO and AECI, a market to non-market seams agreement containing terms 20 consistent with resolving the types of parallel power flow issues that Dr. Proctor 21 discusses would be appropriate. A seams agreement that addresses reciprocal

coordination of flowgates would seem to be the right level of seams agreement between these two entities, in addition to the more basic seams agreement terms in the existing market-to-non-market MISO / TVA seams agreement. The next level of seams agreement development beyond RCFs is a market-to-market congestion management process called an Interregional Coordination Process or "ICP", such as in MISO's seams agreement with PJM. The ICP allows financial compensation between two market-to-market regions that permits redispatch of generation in one region to occur and be compensated for the purpose of solving congestion in the other region. This additional step beyond the CMP use of RCFs between two market-to-market regions brings additional market-based congestion management efficiencies to the seam between two RTOs by allowing congestion to be solved by the lowest-cost resource regardless of the RTO in which that resource is located.

14 Q. DO YOU BELIEVE THAT AN ICP PROTOCOL SHOULD BE 15 INCLUDED IN THE SEAMS AGREEMENT BETWEEN MISO AND

AECI?

17 A. Since

Since a RTO-type energy market is not currently being operated in AECI, it is not clear that including an ICP protocol in a seams agreement between MISO and AECI is reasonable or necessary. However, if the concept could be adapted to the MISO – AECI seams agreement in a market-to-non-market context, it could

⁵ RCFs are part of a broader market-to-non-market congestion management process in both the SPP-MISO and MISO-PJM seams agreements that is simply called the Congestion Management Process or "CMP". The ICP builds upon and enhances the CMP.

further reduce the risks of Aquila joining MISO and possibly increase the
efficiencies of Aquila's participation in the MISO markets. Therefore, I
recommend that a version of the ICP concept be considered as part of the
Stipulation and Agreement process advocated by Dr. Proctor in the event that the
Commission chooses to approve Aquila's application to join MISO.

6 Q. DO YOU HAVE ANY FURTHER RESPONSES TO DR. PROCTOR'S

REBUTTAL TESTIMONY?

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A. Yes. Dr. Proctor does not limit his recommendation on seams agreements to only address the need for an agreement between AECI and MISO that addresses RCFs. Dr. Proctor states that the conditions that should be addressed in a Stipulation and Agreement in this proceeding should include, "seams agreements involving all Missouri utilities, but specifically between MISO and AECI." (Proctor Rebuttal at p. 37, lines 28-29). I believe that another important seams agreement that may need further revision is the JOA between SPP and MISO.

15 Q. PLEASE EXPLAIN.

A. Dr. Proctor recommends further enhancement of the existing indirect seams agreement between MISO and AECI due to the transmission connectivity AECI has with both Aquila and MISO and the resulting parallel power flows anticipated over AECI's transmission system that would result from Aquila joining MISO. (Proctor Rebuttal at p. 31, lines 5-7). Similarly, if Aquila were removed from

SPP's current tariff administration footprint and congestion management processes and included in MISO's, Aquila's transmission interconnections with SPP of fourteen lines totaling 5,915 MVA could require an enhancement to the SPP / MISO seams agreement in order for the two RTOs to effectively coordinate congestion management in a fashion that would not detract from the efficiencies that other Missouri utilities adjacent to Aquila, such as KCP&L, obtain from the SPP EIS Market. This is particularly true because the Aquila utility territory splits KCP&L's in two with one portion of KCP&L being located to the east of Aquila that would be separated from the rest of SPP.

Furthermore, I have reviewed approximately a dozen different flowgates listed on SPP's OASIS that are within or adjacent to Aquila Missouri's territory. (See Schedule RJJ-9). For approximately one-half of those flowgates, the generating facilities located in utilities such as KCP&L, Westar and the Kansas City Board of Public Utilities are important, if not critical, to managing congestion over those flowgates.⁶ In my opinion, this means that in addition to the existing RCF protocols included in the current SPP – MISO seams agreement, the Commission should also be concerned that without the ICP economic dispatch enhancement discussed above, there could be significant inefficiencies and adverse economic

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This flowgate analysis was developed using PowerWorld Simulator software and performing transfer distribution factor ("TDF") analyses on a SPP powerflow study case. For modeled flowgates with monitored elements at the 345 kV and 161 kV voltages, I used a 10% and 5% TDF cutoff, respectively, for determining the location of generation that contributed significantly to powerflows on each flowgate. Similarly. To eliminate transaction sink-related bias in the analyses, I adjusted the resulting TDF curves to set the median TDF value at the neutral value of 0%.

- impacts across the new SPP MISO RTO seam that would be formed at the current borders of the Aquila Missouri, KCP&L and Westar utility territories.⁷
- 3 Q. WOULD YOU SUPPORT AQUILA'S APPLICATION TO JOIN MISO IF
- 4 THESE PRECONDITIONS REGARDING THE AECI-MISO AND SPP-
- 5 MISO SEAMS AGREEMENTS ARE MET?
- 6 A. No, I am not expressing support for the application through the recommendation 7 of these preconditions. I do not believe that the further development of the seams agreement between MISO and SPP will lead to better congestion management in 8 9 the region if Aquila joins MISO rather than SPP. I am simply recommending that 10 if the Commission does approve Aquila's application to join MISO, then it should 11 require further development of the seams agreement between SPP and MISO 12 along with the development of a seams agreement between MISO and AECI as 13 Dr. Proctor recommends.

14 Q. PLEASE EXPLAIN.

15 A. While these seams agreement enhancements would reduce the significant risks of
16 Aquila's participation in MISO related to the lack of transmission
17 interconnectivity between Aquila and MISO, such enhancements would not
18 eliminate these risks. For example, the RCF provisions of an agreement between

⁷ I do not include the City of Independence in this discussion of seams issues, but since Independence is located between KCP&L and Aquila Missouri, any seams issues that it will have should also be addressed. However, since Independence has not indicated whether it will join the SPP market or the MISO market or continue to stay out of both markets, it is not clear at this time whether the City's seams issues will need to be resolved in a market-to-non-market or market-to-market fashion.

MISO and AECI would allow MISO to effectively obtain control over a portion of the flows over AECI's transmission system for use in operating an energy market in Aquila. However, since the limits on MISO's use of those flowgates would likely be established by historical rather than anticipated future power flows, those limits may not be adequate to meet the future demands for power flows between Aquila and the rest of MISO after MISO begins dispatching generating facilities in Aquila's territory based on a MISO-wide security constrained economic dispatch. If MISO does not receive a large enough allocation of the RCFs in AECI, then the benefits that Aquila's customers would receive from Aquila's participation in the MISO market would be limited, unless Aquila purchases additional transmission service across the AECI system (if it is available) to allow for increased flows between the two regions.⁸ However, this purchase of transmission would create another cost that could offset the benefits that Aquila would receive from the MISO market, as Dr. Proctor references in his Rebuttal Testimony. (Proctor Rebuttal at p. 31-32).

Q. ARE THERE ANY OTHER RISKS OF AQUILA'S PARTICIPATION IN MISO THAT ARE NOT ADEQUATELY ADDRESSED BY THE SEAMS AGREEMENTS PREVIOUSLY DISCUSSED?

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⁸ The lack of such transfer capability could specifically result in MISO determining that there is a lack of deliverability for generating units in Aquila into the rest of the MISO market. At this point, MISO has not performed any deliverability tests for generating facilities within Aquila's utility territory, and cannot guarantee whether they would be able to deliver any or all of their output to the rest of the MISO market. (See Schedule RJJ-10).

A. Yes, since Aquila's direct transmission connection to MISO would continue to be through Ameren, Ameren's continued participation in MISO would be a critical factor to Aquila's participation in MISO. Without Ameren's participation in MISO, which is currently being reviewed in another proceeding before this Commission, there is a significant risk of Aquila being severely cut-off from MISO and effectively "islanded", which would most likely eliminate MISO's ability to effectively operate an energy market in Aquila.

8 Q. PLEASE EXPLAIN THE TERM "ISLANDED" IN THE CONTEXT OF

9 **RTO PARTICIPATION.**

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10 A. "Islanding" occurs when an RTO participant becomes sufficiently removed or
11 disconnected from the RTO that the RTO's ability to control power flows over
12 critical transmission constraints is impaired. This prevents the RTO from
13 effectively or efficiently operating an energy market within that "islanded"
14 participant.

15 Q. DO YOU KNOW OF ANY EXAMPLES OF THIS?

A. Yes, though these examples are actually of participants that have not been included in an RTO's market due to the potential for "islanding", rather than parties that did participate and were "islanded" as a result. Specifically, there are SPP members in Southern Louisiana, such as the City of Lafayette and the Louisiana Electric Power Authority, that have expressed a desire to participate in

SPP's EIS Market. However, they have been unable to do so for two reasons. The first of which is that these SPP members are remote enough from the main body of the SPP system, since they are embedded within the Entergy Balancing Authority which does not participate in the SPP EIS Market and does not have a seams agreement addressing Reciprocal Coordinated Flowgates with SPP, that it would be difficult for SPP to effectively control the power flows over key flowgates that would allow these SPP members to participate in the EIS Market. In addition, another SPP member, Cleco Power, provides the primary direct transmission connections between these two SPP members and the rest of the SPP system. However, Cleco does not participate in the EIS Market at this time either. Therefore, with their direct interconnections to the SPP EIS Market footprint cut off, and since they are surrounded by Entergy-controlled flowgates that SPP cannot control effectively, these two SPP members have been "islanded" from the EIS Market footprint and have been unable to directly participate in the EIS Market.

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16 Q. IS THIS THE ONLY WAY THAT "ISLANDING" COULD OCCUR?

No. There are more routine issues such as transmission line maintenance outages that could potentially result in one or more key transmission lines being taken out of service and thereby reducing or effectively eliminating the ability for a market to operate efficiently for a period of time in a location that is remote from the main body of an RTO market. This is a more temporary "islanding" condition

than the one discussed above, but certainly no less real. In either situation, if such
"islanding" occurred with Aquila in MISO, the result would be that Aquila would
absorb the costs to participate in MISO without obtaining the full benefits thereof,
or in a worst-case scenario, could incur significant congestion costs as well.

Q. WOULD THESE SEAMS RISKS CONTINUE TO BE SIGNIFICANT IF

AQUILA JOINED SPP RATHER THAN MISO?

A.

No, they would not. First, the risk of "islanding" would be dramatically reduced if Aquila joined SPP rather than MISO. Second, the need for improvements in the SPP-MISO seams agreement would be reduced since Schedule RJJ-9 shows that generation in the MISO market footprint is important to the resolution of congestion over only one flowgate out of the dozen that I evaluated within or adjacent to the Aquila Missouri utility territory. Finally, while RCF congestion management enhancements to the existing SPP-AECI seams agreement would likely be beneficial, they are by no means as critical as those proposed by Dr. Proctor for a MISO-AECI seams agreement since AECI's service territory is not located between the main body of SPP and Aquila as AECI is for Aquila and the main body of MISO.

1 VI. CONCLUSIONS AND RECOMMENDATIONS. 2 Q. **PLEASE SUMMARIZE YOUR CONCLUSIONS** AND 3 RECOMMENDATIONS TO THE COMMISSION. 4 A. As a starting point, the recommendations from my Rebuttal Testimony have not 5 changed. Those recommendations are that: 6 Aguila and its customers should join an RTO and realize the many 7 benefits that attend such membership; 8 The Commission should not be constrained by Aquila's prior 9 commitments and should require Aquila to join SPP rather than MISO; 10 and 11 If the Commission approves the pending application for Great Plains 12 Energy ("GPE") and Aquila to merge, then the Commission should 13 require Aquila to join SPP and operate its generation and transmission 14 facilities under the auspices of the SPP RTO as soon as possible (and 15 within four months after approval of the merger.) 16 Further, as explained in more detail in this Surrebuttal Testimony, many of the 17 key arguments of MISO's and the City of Independence's witnesses are based 18 upon errors, misstatements, or misunderstandings regarding Dogwood Energy and 19 its operations, SPP's market operations and costs, and more broadly the risks that 20 Aguila and its customers would not obtain the full benefits from participation in 21 the MISO market. As a result of my analysis of transmission constraints 22 (flowgates) in and around the Aquila transmission system, I conclude that there

1 are significant congestion management related-risks associated with seams issues 2 that would result from Aquila's participation in MISO rather than SPP. 3 Therefore, in addition to the recommendations in my Rebuttal Testimony, I 4 recommend to the Commission that in the alternative, if it approves Aquila's 5 request to join MISO, it should also: Require MISO to enter into a seams agreement with AECI that 6 7 adequately addresses congestion management and parallel power 8 flows over the AECI system between Aquila and MISO, including 9 reciprocal coordination of flowgates; 10 Require MISO to enhance its seams agreement with SPP to include a 11 market-to-market Interregional Coordination Process ("ICP") that 12 includes provisions for efficient and effective congestion management 13 across the SPP-MISO seam that would allow congestion to be solved 14 by the lowest-cost resource regardless of the RTO in which is it 15 located; and 16 Require MISO to investigate and report back to this Commission 17 regarding the potential for incorporating the market-based congestion 18 management efficiencies inherent in the ICP into the MISO-AECI 19 seams agreement no later than one year after the issuance of the 20 Commission's final order in this proceeding.

- I make these alternative recommendations in order to reduce the risk to Aquila
 and its customers that they will not obtain the available benefits of joining MISO.

 But again, I also continue to recommend that the Commission reject Aquila's request for approval to join MISO and instead order Aquila to join SPP as soon as reasonably possible.
- 6 Q. DOES THIS CONCLUDE YOUR TESTIMONY?
- 7 A. Yes.