

215 South Cascade Street  
PO Box 496  
Fergus Falls, Minnesota 56538-0496  
218 739-8200  
[www.otpc.com](http://www.otpc.com) (web site)

November 10, 2014



Dr. Burl Haar  
Executive Secretary  
Minnesota Public Utilities Commission  
121 7<sup>th</sup> Place East, Suite 350  
St. Paul, MN 55101-2147

**PUBLIC DOCUMENT – TRADE  
SECRET DATA HAS BEEN EXCISED**

**RE: In the Matter of Otter Tail Power Company's 2012-2013 Annual Automatic Adjustment of Charges Report - Electric  
Docket No. E999/AA-13-599  
Otter Tail Power Company Reply Comments**

Dear Dr. Haar:

Otter Tail Power Company hereby submits to the Minnesota Public Utilities Commission its Reply Comments in the above described matter.

Attachments 3 and 4 to these Reply Comments are marked as a NONPUBLIC DOCUMENT - CONTAINS TRADE SECRET DATA and are not for public disclosure, according to Minn. Stat. Sec. 13.37, subd. 1(b). This statute protects certain "government data," as that term is defined at Minn. Stat. Sec. 13.02, subd. 7, from being disclosed by an administrative agency to the public. The attachments are considered to be a compilation of data, that (1) was supplied by Otter Tail, (2) is the subject of reasonable efforts by Otter Tail to maintain its secrecy, and (3) derives independent economic value, actual or potential, from not being generally known to or accessible by the public.

If you have any questions regarding this filing, please contact me at 218-739-8279 or at [stommerdahl@otpc.com](mailto:stommerdahl@otpc.com).

Sincerely,

*/s/ STUART TOMMERDAHL*  
Stuart Tommerdahl  
Manager, Regulatory Administration

wao  
Enclosures  
By electronic filing  
c: Service List

STATE OF MINNESOTA  
BEFORE THE  
MINNESOTA PUBLIC UTILITIES COMMISSION

In the Matter of Otter Tail Power  
Company's 2012-2013 Annual Automatic  
Adjustment of Charges Report - Electric

Docket No. E999/AA-13-599

**OTTER TAIL POWER COMPANY  
REPLY COMMENTS**

**I. INTRODUCTION**

Otter Tail Power Company ("Otter Tail" or "Company") submits these Reply Comments in response to the Minnesota Department of Commerce, Division of Energy Resources' ("Department") Comments filed in the above-captioned docket on September 16, 2014. In those Comments, the Department requested that all utilities address a number of questions related to plant operations, maintenance and outage mitigation efforts. In addition, the Department asked Otter Tail to specifically respond to a number of questions related to MISO Day 2 activities. These Reply Comments provide answers to the Department's questions.

**II. RESPONSES TO THE DEPARTMENT'S QUESTIONS**

**A. Plant Outage Mitigation**

The Department provided a list of questions on pages 14 and 15 of their Comments which the utilities were asked to respond to. These questions focused on generating facility outage mitigation efforts being deployed by the utilities. Each of the Department's questions is listed below, followed by Otter Tail's response to the question.

- *How Minnesota and other utilities can share best practices across utilities in a timely manner (e.g., videos as Xcel describes, electronic bulletins of best practices) to ensure that as many generation plants as possible maximize the days of operation and minimize the number of forced outages.*

## **Otter Tail Response**

In developing these Reply Comments, representatives from Xcel Energy, Otter Tail Power, Interstate Power & Light, and Minnesota Power held a number of conference calls to talk about how each of the utilities goes about gathering information and staying abreast of issues around plant operations and maintenance (“O&M”). Acknowledging that while each utility’s fleet of generation resources is unique to each company, the group felt it would be important for us to share amongst ourselves and with the Department, what resources each company uses to stay abreast of plant O&M related issues. The result of this exercise was the development of a table which identifies numerous sources of information the utilities tap into, categorized by: Conferences, Consultants/Vendors/Contractors, Publications, and Trade Organizations. This table is included as Attachment 1 to these Reply Comments. While the table may not be a complete and exhaustive list of all resources used by each utility, it does provide a good representation of the forums where information gathering and sharing occurs.

As noted earlier, each utility’s generation fleet is different. Otter Tail’s base load generating fleet is small, consisting of three plants:

Big Stone Plant, of which Otter Tail is a 53.9% co-owner;

Coyote Plant, of which Otter Tail is a 35% co-owner;

Hoot Lake Plant, of which Otter Tail is a 100% owner.

Otter Tail plant personnel participate in various user groups, training events, and conferences related to our steam based generation units. Otter Tail believes that some of the most beneficial information sharing takes place at specific technology user groups often hosted by the original equipment manufacturers, for example, “B&W Cyclone Users Association or B&W Environmental Users Group.” It is Otter Tail’s experience that focusing on technologies that are specific to our generation units is the most productive use of time with regards to sharing best practices in operation and minimizing forced outages.

As noted above, Otter Tail is part owner of two co-owned generation facilities; the Big Stone Plant and the Coyote Plant (Otter Tail is also the Operating Agent for these plants). The co-owners at Big Stone and Coyote are also operators or part owners of other similar sized facilities. Regularly scheduled owner’s meetings, as necessitated by these joint ownership arrangements, provides Otter Tail with the opportunity to gather additional information and gain

perspectives from peers on forced outage rates and other plant operations issues that occur in the natural course of being part of jointly-owned generating units.

Otter Tail notes that there are occasions when discussions and information sharing does take place between Minnesota utilities. Recent examples include Otter Tail and Xcel Energy staff meeting at the July 2014 Boiler conference to discuss best cyclone boiler practices. In addition, Xcel Energy met with Otter Tail consultants regarding details of the company's 2015 outage work at Otter Tail's Big Stone plant and Xcel Energy recently visited Big Stone plant to discuss best boiler outage/reliability/combustion practices. When opportunities arise for information sharing, Otter Tail is willing take advantage of them.

Plant personnel also attend general conferences such as the local Energy Manager Associations, The Energy Generation Conference in Bismarck, ND or the much larger Power-Gen conference. These conferences provide useful venues for gathering and sharing information but are generally not as informative as specific equipment users groups.

One additional source of information which Otter Tail finds beneficial is through Otter Tail's insurance provider. When issues occur at other plants which the insurance provider is involved, it is common for the provider to share information with other companies so that similar situations can be avoided or mitigated if possible.

In general, attendance or participation at relevant conferences, training, or users groups is more effective than information sharing between utilities that may be neighbors, but that do not have similar generation technologies and/or equipment.

- *Utilities should discuss any electronic databases that have been developed to share best practices in plant maintenance and repair.*

### **Otter Tail Response**

Like all utilities, Otter Tail maintains numerous records related to plant operating and maintenance activities on an on-going basis. Otter Tail also submits required plant information to MicroGADS as required by NERC. At this time, Otter Tail does not have a specific electronic database for purposes of sharing best practices in plant maintenance and repair. Otter Tail relies on numerous other forums, user groups and events for information sharing as outlined above and reflected in Attachment 1.

- *Utilities should discuss their efforts to obtain Business Interruption Insurance due to any factor that causes an unplanned outage or longer than-expected planned outages.*
- *If utilities have not obtained Business Interruption Insurance, they should provide a full explanation as to why not.*

### **Otter Tail Response**

During Otter Tail's 2014 property insurance renewal process, Otter Tail investigated business interruption insurance with its insurance carrier. Otter Tail requested a quote for this type of coverage. The minimum deductible for such coverage was not tied to a dollar value, but was instead tied to the length of time of the business interruption. In this particular case, the time element was 60 days. In other words, the coverage for business interruption would not start until after the forced outage or outage extension went beyond 60 days.

Based on past experience with the durations of forced outages, Otter Tail determined that the cost of the additional premium for such coverage outweighed the benefit of adding that coverage. Otter Tail will likely revisit this or similar types of coverage again in future renewals.

- *Utilities should discuss any revisions of language in contracts with contractors working on plants to increase the contractor's accountability in minimizing the length of the outage and ensuring that the plant runs smoothly.*
- *Utilities should discuss any efforts to recoup replacement power costs from contractors that worked on plants that subsequently had outages or any other source of reimbursement for replacement power costs.*
- *If utilities did not pursue any reimbursement for replacement power costs, utilities should provide a full explanation as to why not.*

### **Otter Tail Response**

With regards to contract language or recouping replacement power costs from contractors, it is Otter Tail's experience that most sophisticated vendors will not set agree to a project with the prospect of unlimited exposure to indirect damages (e.g., replacement power costs). On the other hand, contractors are usually able to insure against direct damages (e.g., physical injuries/death or property damage). Most sophisticated vendors will insist on language that forecloses recovery for indirect damages and also imposes a cap or limitation of liability. Otter Tail frequently includes liquidated damages clauses in its contracts to incent timely

performance of work. For very large projects, Otter Tail requires payment and performance bonding as an additional level of protection.

- *Utilities should provide the dates and duration of their scheduled and forced outages by plant since 2001.*

#### **Otter Tail Response**

Attachment 2 to these Reply Comments is a schedule of Otter Tail's outage history from 2001 through June of 2013 for the Big Stone, Coyote, and Hoot Lake plants. This information has been pulled from the GADS reporting system and reflects outages of 24 hours or more, consistent with information submitted in Otter Tail's monthly fuel adjustment clause filings.

- *Utilities should discuss the general factors utilities consider in scheduling planned outages.*

#### **Otter Tail Response**

Routine and regular maintenance is a critical aspect in keeping a generating facility operating at a consistent and reliable level over the life of the plant. All plants require periodic maintenance and upgrades. Each plant's maintenance schedule is tailored to the unique aspects and characteristics of that plant. When outages are planned, there are a number of factors taken into consideration when scheduling those outages at Otter Tail's three primary generating facilities. These factors include outage schedules for the other Otter Tail plants, outage schedules of other facilities owned by the joint owners of Otter Tail's plants, and seasonal considerations.

The general practice for scheduling major planned outages for the three coal-fired power plants is to stagger those outages from year to year to avoid having multiple major outages in the same year. This helps mitigate impacts of replacement power needs in any given year. At Big Stone and Coyote, our co-owned plants, proposed outage schedules and scope of outages are presented, discussed and agreed to with the plant co-owners at least a year in advance. Because of the joint ownership of these plants, scheduling between the companies must be coordinated with other outages of other co-owner's facilities as well. There is some minor flexibility in moving outage dates a few days but generally, the planned dates are adhered to due to

commitments with contractors, vendors and suppliers of resources necessary to complete the outage work in the most cost effective manner.

Generally, major planned outages (3-4 weeks or longer) are scheduled in the shoulder months (April/May or Sept/Oct). Typically during these months, demand for energy is lower due to more moderate weather, minimizing the quantity of replacement energy required to meet loads during those timeframes. Minor outages (typically 10 days or less) are also targeted for the shoulder months but have been done in the summer or winter if they are relatively short (i.e. 3-4 day wash outages) and necessary to maintain peak optimal performance of the plants.

## **B. MISO Day 2 Questions**

In their review of Otter Tail's MISO Day 2 Charges, the Department requested Otter Tail address several questions associated with changes to certain MISO charges. The Department summarized these questions on pages 53 and 54 of their Comments, as listed below:

- *The Department recommends that OTP explain, in reply comments, why the total 2012-2013 MISO Day 2 charges increased from \$28.0 million in 2011-2012 to \$31.4 million in 2012-2013.*
- *The Department recommends that OTP explain, in reply comments, why the Company incurred such large Day Ahead Energy Losses (DA Loss Amt) in April, 2013 and why these costs are appropriately assigned to retail customers.*
- *The Department recommends that OTP explain, in reply comments, why the Company incurred increased Day Ahead and Real time Energy Losses in the July 2012 to June 2013 as compared to the previous year and why these costs are appropriately assigned to retail customers.*
- *The Department recommends that OTP explain, in reply comments, why the Company incurred such large Day Ahead Congestion (DA FBT Congestion Amt) costs in August, 2013 and why these costs are appropriately assigned to retail customers.*
- *The Department recommends that OTP explain, in reply comments, why the Company incurred such large RSG and Make Whole Payments costs in May, 2013 and why these costs are appropriately assigned to retail customers.*
- *The Department recommends that OTP explain, in reply comments, if any of the Company's allocation methods for MISO Day 2 charges changed during the 2012-2013 reporting period. If so, the Department recommends that OTP explain, in reply comments, the nature of these changes and the effect these changes have had on the charges assigned to various customer categories in the 2012-2013 AAA Report.*

Before responding to the questions above, Otter Tail provides the following overview of a cost classification issue identified in Attachment K of Otter Tail's initial filing, which was identified while preparing these Reply Comments. As a result, corrected Attachment K schedules are included with these Reply Comments in Attachment 3 (marked as Trade Secret).

Impacts of these issues also translated to data presented in Attachments I and I-1 of Otter Tail's initial filing. Updated Attachment I and I-1 schedules are also included in these Reply Comments in Attachment 4 (marked as Trade Secret).

### **Cost Classification Corrections to Attachment K**

While Otter Tail was conducting its analysis of the MISO Day 2 questions put forth by the Department, Otter Tail identified some corrections that needed to be made to Attachment K (From Otter Tail's initial filing in this docket) to properly reflect the revenue and cost classifications within that schedule. Otter Tail notes that the overall costs and revenues are correct for the year. The corrections are related to classifications of Energy and Loss amounts reported in Attachment K. Upon making these corrections to Attachment K, Otter Tail believes some of the issues and questions the Department identified have been addressed. Otter Tail offers further explanation below on the specific issues with Attachment K schedules and then addresses each of the Department's questions.

### **Calculation of Energy, Loss, and Congestion Costs**

Otter Tail would first like to point out that MISO does not provide Otter Tail with the specific breakdowns of costs and revenues that the Department requests Otter Tail provide in its monthly and annual fuel clause filings. MISO's standard reporting of DA and RT energy amounts is based on calculations that use total Locational Marginal Prices ("LMP"). LMPs are made up of three separate cost components; energy, congestion and losses. In order for Otter Tail to provide cost breakdowns that quantify energy, congestion and losses separately in Attachment K to meet the Department's reporting requests, Otter Tail developed a software program in 2012 to help quantify total congestion and loss amounts since those total amounts are not directly provided by MISO.

MISO calculates a Marginal Loss Component ("MLC") for each Commercial Pricing Node ("CPNode") for every hour. The MLC is a portion of the total Location Marginal Price



("LMP") individually calculated for every CPNode. The software program Otter Tail developed uses MISO published MLC values to calculate the total cost of losses by multiplying the hourly energy supply or energy withdrawal (load) by the corresponding MLC at every individual CPNode. Similar calculations are completed using Marginal Congestion Component ("MCC") data to determine total congestion costs.

In Otter Tail's Attachment K, the Day Ahead Loss Amount (Line 9 in Attachment K), reported to the Department, is calculated in two-steps. First, the sum of the total losses calculated at each individual supply node is subtracted from the sum of the total losses calculated at each individual load node. Then, the DA FBT Loss Amount (Line 6 in Attachment K) needs to be subtracted from this number so as to not double account for the losses attributed to the Option B Grand Father Agreements ("GFAs") at Big Stone and Coyote. In Otter Tail's initial filing, the DA FBT amount was not subtracted out from the DA Loss Amount that was calculated. This resulted in overstating the DA Loss Amounts from October 2012 to June 2013 by the amount of DA FBT Loss. The following table of Attachment K excerpts reflects a summary of the components of Attachment K referred to above, pulled from the 2012-2013 Reporting year summary.

Otter Tail Power Company						
Annual Summary - Attachment K						
Excerpts Highlighting Corrections to DA Loss and Energy Amounts						
July 2012 - June 2013						
				Originally Filed	Corrected	Difference
	(A)	(B)	(C)	(C)		
			RETAIL	RETAIL		
	Charge Type Description	Acct	MWh	Cost	Cost	
No.	Day Ahead & Real Time Energy					
1	DA Asset Energy Amount	555.02	(4,178,196)	\$ (108,101,714.62)	\$ (112,093,470.53)	\$ 3,991,755.91
2	DA Non-asset Energy Amc	555.09	(282,616)	\$ (6,484,129.87)	\$ (6,484,129.87)	
Day Ahead & Real Time Energy Loss						
6	DA FBT Loss Amount	555.04	0	\$ (3,991,755.91)	\$ (3,991,755.91)	
7	RT Distribution of Losses A	555.24	0	\$ (51,210.12)	\$ (51,210.12)	
8	RT FBT Loss Amount	555.21	0	\$ -	\$ -	
9	DA Loss Amount		0	\$ (5,675,807.23)	\$ (1,684,051.32)	\$ (3,991,755.91)

The table above shows the total DA Loss amount to be (\$5,675,807.23) on line 9. This amount should have been reduced by the DA FBT Loss amount of (\$3,991,755.91) reflected on

line 6. Effectively, the DA FBT losses were double counted. This also impacted the amount Otter Tail reflected as DA Asset Energy on Line 1 based on the process Otter Tail goes through to compute the DA Asset Energy Amount as described below.

As noted earlier, MISO provides total energy cost information to Otter Tail based on LMP Prices. In order to reflect the “energy only” portion of these costs, the Congestion and Loss components need to be subtracted out. The software program referred to earlier computes Otter Tail’s loss and congestion components which are then subtracted from the MISO reported total costs (based on LMP prices), to determine the portion of the cost attributable to the energy component of Otter Tail’s costs only. The following example helps illustrate this further.

Total Costs (Based on LMP Price)	\$ 40
Less: Losses Component	(\$ 3)
Less: Congestion Component	<u>(\$ 7)</u>
= Energy Component	\$ 30

Because the loss amounts were overstated in the initial filing, and those amounts were subtracted from the total costs to determine the energy component, the result is that the energy costs reflected on Line 1 of Attachment K were understated by the same amount (\$3,991,755.91) that losses were overstated.

With this correction to Attachment K, Otter Tail provides responses to the Department’s specific MISO Day 2 allocation questions.

- ***The Department recommends that OTP explain, in reply comments, why the total 2012-2013 MISO Day 2 charges increased from \$28.0 million in 2011-2012 to \$31.4 million in 2012-2013.***

### **Otter Tail Response**

There are two primary drivers for the overall increase in MISO day 2 charges for the 2012-2013 reporting period as compared to the 2011-2012 reporting period: load growth and the cost of energy.

Total MWhs of Day Ahead (“DA”) and Real Time (“RT”) energy purchased increased from 4,377,548 MWhs in the 2011-2012 reporting period to 4,635,473 in the 2012-2013 reporting period, an increase of 5.89 percent. The average cost of DA and RT energy supplied to the Otter Tail load zone increased from a rate of \$22.61 per MWh in 2011-12 to \$26.49 per MWh in 2012-13. While both Otter Tail generation and the corresponding DA asset energy rates also increased over this same time period, those increases were not able to offset the increased charges to the Otter Tail load zone.

- ***The Department recommends that OTP explain, in reply comments, why the Company incurred such large Day Ahead Energy Losses (DA Loss Amt) in April, 2013 and why these costs are appropriately assigned to retail customers.***

### **Otter Tail Response**

In Attachment 3, Otter Tail provides the corrected Attachment K schedule for April 2013. The initially reported DA Loss amount charge was \$667,718.57. After making the corrections for the double counting of the DA FBT losses, the corrected DA Loss amount is now \$194,235.08. With these updates, Otter Tail anticipates the Department may no longer have the same concern.

Energy losses are an expense the company incurs in order to move energy from generating stations to retail load. Thus it is appropriate to assign these charges to retail customers.

- ***The Department recommends that OTP explain, in reply comments, why the Company incurred increased Day Ahead and Real time Energy Losses in the July 2012 to June 2013 as compared to the previous year and why these costs are appropriately assigned to retail customers.***

### **Otter Tail Response**

As noted earlier in these Reply Comments, corrections to the DA Loss Amounts for the July 2012 to June 2013 reporting period have been made. With these updates, Otter Tail anticipates the original issue may no longer be a concern to the Department.

Normal fluctuations in hourly supply and load levels create differences in losses from one reporting year to another. It is important to note that while the DA and RT Energy Losses have increased, both the RT Distribution of Losses Amount (Attachment K, Line 7) and the DA Losses Rebate on Option B GFA Amount (Attachment K, Line 11) have also increased in the

July 2012 to June 2013 reporting period. When the corrected reporting and the loss rebates are considered, net losses have actually decreased for the July 2012 to June 2013 reporting period by \$170,136.16.

As mentioned above, energy losses are an expense the company incurs in order to move energy from generating stations to retail load. Thus it is appropriate to assign these charges to retail customers.

- ***The Department recommends that OTP explain, in reply comments, why the Company incurred such large Day Ahead Congestion (DA FBT Congestion Amt) costs in August, 2013 and why these costs are appropriately assigned to retail customers.***

### **Otter Tail Response**

Otter Tail believes the Department intended to request comment on the August 2012 monthly detail instead of August 2013. The DA FBT Congestion Amount documents the congestion costs associated with the financial bilateral transactions for the Option B Grand Fathered Agreements (“GFAs”) sourcing at Big Stone and Coyote generating stations.

Average congestion for the month of August 2012 was at the highest level for the reporting period between Coyote and Otter Tail load. Average congestion between Big Stone and Otter Tail load was at the third highest level for the reporting period.

Since Option B status allows for a complete congestion hedge based on the day ahead financial bilateral transaction schedule for each GFA, it is important to note the companion charge type, DA Congestion Rebate on Option B GFA (Line 34 of Attachment K). For the August 2012 reporting, the amount is equal and offsetting to the DA FBT Congestion Amount.

Congestion charges are an expense the company incurs in order to move energy from generating stations to retail load. Thus it is appropriate to assign these charges to retail customers.

- ***The Department recommends that OTP explain, in reply comments, why the Company incurred such large RSG and Make Whole Payments costs in May, 2013 and why these costs are appropriately assigned to retail customers.***

### **Otter Tail Response**

The increase in RSG and Make Whole Payments for the month of May 2013 was primarily driven by a then recently installed automated real-time load forecasting software program. This software program reforecast Otter Tail load after the Day Ahead forecast was submitted, yet prior to actual Real Time values. Submitting updated forecast information prior to the real time allowed for potential netting (reducing) of deviations from the DA schedule, which in turn would reduce RSG charges. For a portion of the May 2013 month, Otter Tail discovered the load data transfer between Otter Tail and MISO was increasing the deviations. This resulted in increased RSG charges for a few days. Otter Tail immediately ceased use of the program when settlement statements revealed higher RSG charges. Otter Tail was unable to determine the cause of the data transfer issue with MISO. At present, Otter Tail is not utilizing the above described reforecasting software.

RSG charges are a MISO expense which the company incurs in order to serve our retail load. Thus it is appropriate to assign these charges to retail customers.

- *The Department recommends that OTP explain, in reply comments, if any of the Company's allocation methods for MISO Day 2 charges changed during the 2012-2013 reporting period. If so, the Department recommends that OTP explain, in reply comments, the nature of these changes and the effect these changes have had on the charges assigned to various customer categories in the 2012-2013 AAA Report.*

### **Otter Tail Response**

Otter Tail has not changed its method of allocation of MISO Day 2 charges during the 2012-2013 reporting period.

### **III. CONCLUSION**

Otter Tail Power Company appreciates the opportunity to address the Department's questions in this Docket. Otter Tail believes the responses provided address the questions raised

by the Department with regard to Otter Tail's MISO Day 2 charges. Therefore, Otter Tail respectfully requests approval of its MISO Day 2 reporting.

Dated: November 10, 2014

Respectfully submitted,

OTTER TAIL POWER COMPANY

By: /s/ STUART TOMMERDAHL  
Stuart Tommerdahl  
Manager, Regulatory Administration  
Otter Tail Power Company  
215 S. Cascade Street  
Fergus Falls, MN 56537  
(218) 739-8279  
[stommerdahl@otpc.com](mailto:stommerdahl@otpc.com)

FORUMS FOR INFORMATION SHARING	Xcel Energy	MP	OTP	IPL
<b>CONFERENCES</b>				
B&W Cyclone Users Group	X		X	
Bentley-Nevada Vibration Monitoring training	X		X	X
CEMs User Conference (EPRI)	X		X	
Electric Power Conference	X			X
Energy Generation Conference, Bismarck, ND	X		X	
Energy, Utility & Environment Conference (EUDEC)		X		X
ESC Users Conference (CEMS Software)	X		X	
GADS Data Reporting Workshop	X	X	X	
Honeywell Control System Users Group			X	
HydroVision		X		
Hydrovision Internaional		X		
InterTek (AWARE) Users Group				X
Lignite Energy Council			X	
National Coal Transportation Association (NTCA)			X	X
Ovation Control System Users	X		X	X
Power Gen Conference (Orlando, FL)	X		X	X
Power Plant Managers Summit	X		X	
Siemens Steam Turbine Users Group	X		X	
Tripartite Meetings (Union Labor for outages)			X	
Turbine Generator Inspection Training			X	X
Xcel Energy Boiler Conference	X			X
<b>TRADE ORGANIZATIONS</b>				
American Wind Energy Association (AWEA)		X	X	
Assoc. of Edison Illuminating Companies (AEIC)		X		
American Coal Council				X
Boiler and Turbine Steam and Cycle Chemistry (EPRI)				X
Boiler Life and Availability Improvement Program (EPRI)				X
Combined Cycle HRSG and Balance of Plant (EPRI)				X
Combined Cycle Turbomachinery (EPRI)				X
Combustion Turbine Operations Technical Forum	X			not a member - has access
Contractor Safety Summit	X			
Dry Scrubber Users Association (DSUA)	X	X		not a member - has access
Edison Electric Institute (EEI)		X	X	X
Electric Power Research Institute (EPRI)		X		X
Fossil Operations and Maintenance Info Service (FOMIS)	X not a member - has access	X		X not a member - has access
GE7FA User's Group	X			X
Generation Maintenance Applications Center (EPRI)				X
Heat Recovery Steam Generator User Group (HRSG)	X			
Maximo Utility Working Group (MUWG)		X		periodically
Midwest Hydro Users Group (MHUG)		X		
Mitsubishi Combustion Turbine Group	X			
MN Resource Recovery Assoc (MRRRA, Refuse Derived Fuel Plants)	X			
MN Safety Council	X			
National Hydropower Association (NHA)		X		
National Safety Council	X			
Power-Gen International		X		
Power Plant Director & Manager Group (EPRI)	X			

<b>FORUMS FOR INFORMATION SHARING</b>	<b>Xcel Energy</b>	<b>MP</b>	<b>OTP</b>	<b>IPL</b>
Predictive Maintenance	X			
PRB Coal Users' Group (Power River Basin)	X	X		X
Selective Catalytic Reduction (SCR) User Group	X			
Steam Turbines-Generators and Auxiliary Systems (EPRI)				X
Utility Variable Integration Group (UVIG)		X		
Western Coal Traffic League (WCTL)		X		
Western Turbine User's Group			X	
Mid-western Turbine User's Group			X	
<b>CONSULTANTS / VENDORS / CONTRACTORS</b>				
AAB Group	X	X		
Acuren	X	X		
Alstom	X	X	X	X
Babcock Power	X	X	X	X
BARR Engineering		X	X	
BHA Claror		X	X	
Black & Veatch	X	X	X	
Burns & McDonnell	X	X	X	X
Cylde Bergemann Power Group	X	X	X	
FB Global		X		
GE	X	X		
Hamon Corporation		X	X	
Honeywell	X	X	X	
Hunt Electric	X	X		
Invensys-Foxboro	X	X		
Lakehead Constructors		X		
Leidos Engineering		X		
Mitsubishi Hitachi Power Systems	X	X		
Moorhead Machinery & Boiler Co.	X	X	X	
Reliability Solutions		X		
Sheppard T. Power Associates		X		
Siemens Power Generation	X	X	X	X
Sargent & Lundy			X	X
The Boldt Company	X	X	X	
The Jamar Company	X	X	X	X
Thielsch Engineering	X	X	X	X
United Dynamics Corporation (UDC)				X
Wisconsin School of Business (Project Management Process)				X
<b>PUBLICATIONS</b>				
Chemical Engineering				X
Energy & Mining		X		
Energy Technology		X		
OEM Technical Bulletins	X		X	
Power Engineering	X	X	X	X
Power Magazine	X	X	X	X
Underground Focus		X		
Wind Systems		X		
Windpower Monthly		X		



OTTER TAIL POWER COMPANY  
 Coyote Station Outage Data from January 2001 through June 2013

Source of Data: MicroGADS Event Summary

COYOTE - COYOTE 1						
Event	Type	Start	End	Cause	Description	Eq Hrs
7	PO	3/15/2001 22:00	3/18/2001 19:21	1305	SCHEDULED WASH OUTAGE	69.35
11	U1	4/7/2001 5:45	4/8/2001 15:22	1000	FURNACE WALL TUBE RUPTURE REPAIR	33.62
15	PO	5/28/2001 15:24	6/3/2001 12:00	1305	SCHEDULED WASH OUTAGE, CHEMICAL CLEANING	140.60
16	PE	6/3/2001 12:00	6/11/2001 8:05	4261	TURBINE GOVERNOR VALVE REPAIRS, EXCITER BEARING	188.08
19	U1	7/6/2001 19:41	7/8/2001 15:48	1000	FURNACE WALL TUBE LEAK REPAIR	44.12
23	PO	7/27/2001 22:57	7/30/2001 2:45	0740	REPLACED 'A' BOILER CIRCULATION PUMP	51.80
28	PO	10/4/2001 22:00	10/9/2001 2:00	1305	PLANNED WASH OUTAGE	100.00
3	PO	1/24/2002 22:59	1/28/2002 1:19	1305	Scheduled boiler wash outage.	74.33
20	PO	5/26/2002 21:55	6/5/2002 1:46	4014	Turbine foam cleaning and boiler wash.	219.85
37	U3	8/31/2002 0:00	9/1/2002 14:54	1040	Repair boiler tube leak	38.90
38	PO	9/5/2002 21:26	9/9/2002 8:00	1305	Scheduled boiler wash outage.	82.57
43	U1	11/4/2002 8:00	11/6/2002 1:30	1060	Boiler Tube Leak	41.50
44	PO	12/12/2002 22:00	12/16/2002 3:40	1305	Scheduled boiler wash outage.	77.67
4	U1	2/16/2003 20:41	2/18/2003 20:34	1040	Boiler Tube Leak in primary superheater.	47.88
11	PE	5/11/2003 0:00	5/28/2003 16:00	4500	Outage extension due to generator work on end windings.	424.00
15	U2	5/28/2003 23:29	5/31/2003 5:44	4279	Overspeed trip test, repair MO100, cyclone fronts.	54.25
23	U1	4/11/2004 8:51	4/13/2004 16:33	9300	345 kv line trip and subsequent tube leak repairs.	55.70
26	U1	5/19/2004 13:05	5/20/2004 22:00	1090	Boiler Tube Leak on floor.	32.92
37	U1	7/8/2004 23:00	7/10/2004 4:32	1090	Boiler Tube Leak on floor.	29.53
39	U2	7/14/2004 21:59	7/16/2004 9:12	1060	Boiler Tube Leak in reheater.	35.22
45	U2	8/24/2004 15:55	8/27/2004 6:52	1040	Boiler Tube Leak in primary superheat.	62.95
49	PO	10/7/2004 23:14	10/11/2004 23:24	1305	Scheduled boiler wash outage.	96.17
56	U1	11/7/2004 4:40	11/8/2004 6:21	1090	Boiler Tube Leak on Boiler floor	25.68
42	PO	1/16/2005 22:00	1/19/2005 23:55	1305	Boiler Wash	73.92
44	U2	3/5/2005 18:17	3/7/2005 9:39	1050	Repair secondary superheat inlet tube leak	39.37
46	PO	4/7/2005 22:00	4/11/2005 4:23	1305	Boiler wash	78.38
50	PO	8/4/2005 21:56	8/7/2005 0:38	1305	Boiler wash	50.70
51	U2	8/9/2005 21:57	8/10/2005 22:58	1060	Reheat tube leak	25.02
54	PO	10/20/2005 21:56	10/23/2005 22:16	1305	Boiler wash	72.33
55	U1	10/23/2005 22:16	10/26/2005 1:34	1489	"B" air heater gearbox failure	51.30
58	U2	11/13/2005 20:23	11/15/2005 1:26	1060	Reheat and slope tube leak	29.05
59	U2	12/22/2005 15:18	12/24/2005 12:17	1075	Tube leak in reheat outlet header	44.98
11	PO	1/12/2006 21:57	1/15/2006 20:39	1305	Boiler wash	70.70
13	U2	4/8/2006 2:17	4/9/2006 2:36	1040	Primary superheat tube leak	24.32
16	U1	5/22/2006 16:00	5/26/2006 2:36	1415	FD fan controls tuning	82.60
18	U2	5/28/2006 15:34	5/30/2006 21:22	4619	Hydrogen leak on generator bushings	53.80
22	U1	6/14/2006 18:46	6/16/2006 2:40	1000	Boiler wall tube failure	31.90
23	PO	8/31/2006 22:00	9/3/2006 22:55	1305	Boiler Wash	72.92
24	U1	9/26/2006 6:22	9/27/2006 19:17	1040	Primary superheat tube leak	36.92
29	U1	11/9/2006 5:45	11/11/2006 3:15	1055	Secondary superheat penthouse tube leak	45.50

OTTER TAIL POWER COMPANY  
Coyote Station Outage Data from January 2001 through June 2013

Source of Data: MicroGADS Event Summary

COYOTE - COYOTE 1						
Event	Type	Start	End	Cause	Description	Eq Hrs
30	U1	11/16/2006 14:37	11/17/2006 23:24	1060	Reheat outlet tube leak	32.78
31	PO	12/14/2006 21:59	12/17/2006 21:40	1305	Boiler wash	71.68
12	U1	1/9/2007 16:10	1/11/2007 8:28	1000	Wall tube leak	40.30
16	U1	2/5/2007 13:05	2/8/2007 0:44	1055	Secondary superheat penthouse leak	59.65
17	U1	2/26/2007 6:01	2/28/2007 11:00	1055	Secondary superheat penthouse leak	52.98
18	U1	3/7/2007 19:17	3/13/2007 22:46	1055	Secondary superheat penthouse leak and corrective repairs to supports	146.48
19	U1	3/26/2007 1:57	3/28/2007 14:36	1040	Primary superheat tube leak	60.65
20	U2	5/17/2007 22:00	5/20/2007 9:59	1305	Emergency boiler wash	59.98
21	U1	5/20/2007 10:30	5/22/2007 2:31	0500	Main steam lead drain leak	40.02
23	PO	5/31/2007 15:31	6/8/2007 11:23	4014	Schedule spring outage for turbine foam clean	187.87
43	U2	8/4/2007 1:25	8/5/2007 2:22	1010	#1 Cyclone tube leak repairs	24.95
45	U1	9/8/2007 9:32	9/9/2007 17:26	1055	Superheat tube leak	31.90
47	U1	11/9/2007 23:25	11/11/2007 2:36	1055	Primary superheat tube leak	27.18
46	U2	1/6/2008 6:38	1/7/2008 8:14	1055	Primary superheat tube leak	25.60
47	U1	1/16/2008 21:01	1/18/2008 0:19	1060	Reheat tube leak	27.30
48	U1	2/3/2008 17:56	2/5/2008 9:48	1000	Wall tube leak	39.87
49	U2	2/20/2008 21:18	2/22/2008 1:18	1090	Secondary superheat spacer tube leak	28.00
53	U2	4/30/2008 7:58	5/1/2008 18:39	1010	#6 cyclone tube leak	34.68
56	U3	6/25/2008 0:01	6/27/2008 20:26	0740	Replace "B" boiler circ pump	68.42
59	U1	9/1/2008 20:39	9/4/2008 2:27	1010	#1 cyclone tube leak	53.80
71	U1	10/25/2008 21:48	10/27/2008 7:18	0426	Windbox air leak	33.50
73	U1	12/5/2008 22:08	12/7/2008 5:06	0760	BCP "A" suction valve packing failure	30.97
25	U1	1/22/2009 0:10	1/23/2009 12:29	1430	Windbox air leak	36.32
26	U1	3/19/2009 12:24	3/21/2009 0:24	1050	Secondary superheat tube leak	36.00
28	U1	3/25/2009 18:15	3/26/2009 23:00	1090	Penthouse tube leak	28.75
29	PO	3/26/2009 23:00	4/29/2009 0:00	1800	Scheduled major outage - turbine and boiler work	793.00
45	PO	4/29/2009 0:00	5/7/2009 8:51	1800	Scheduled major outage - boiler and turbine work	200.85
30	U1	5/7/2009 8:51	5/11/2009 12:39	0500	Main steam lead drain leaks	99.80
33	U1	5/26/2009 17:27	5/28/2009 7:21	1000	Wall tube leak	37.90
34	U2	6/24/2009 20:00	7/18/2009 9:14	4530	Generator inspection and repair of foreign material damage to step iron	565.23
51	PO	8/27/2009 21:18	9/4/2009 7:46	4530	Generator inspection and repairs	178.47
64	U1	10/26/2009 3:41	10/27/2009 16:38	1055	Primary super heat tube leak	36.95
15	PO	3/11/2010 22:04	3/15/2010 5:37	1305	Scheduled wash outage	78.55
35	U2	6/2/2010 2:17	6/3/2010 23:00	1040	Primary superheat tube leak	44.72
36	PO	6/3/2010 23:00	6/11/2010 11:15	1305	Scheduled spring outage	180.25
38	U2	6/21/2010 19:25	6/23/2010 4:51	1050	Secondary superheater tube leak	33.43
39	U3	7/27/2010 6:08	7/28/2010 9:02	1040	Primary superheater Boiler Tube Leak	26.90
40	U2	7/30/2010 21:27	8/1/2010 3:53	1040	Primary superheater tube leak	30.43
41	U2	8/13/2010 6:03	8/14/2010 15:29	1040	Primary superheater tube leak	33.43
42	U1	8/19/2010 18:00	8/22/2010 1:14	1090	Roof tube leak	55.23

OTTER TAIL POWER COMPANY  
Coyote Station Outage Data from January 2001 through June 2013

Source of Data: MicroGADS Event Summary

COYOTE - COYOTE 1						
Event	Type	Start	End	Cause	Description	Eq Hrs
43	U3	9/1/2010 19:04	9/3/2010 16:42	1040	Primary superheater tube leak	45.63
44	U2	9/4/2010 19:33	9/6/2010 0:14	1050	Secondary superheater tube leak	28.68
45	PO	9/23/2010 22:09	9/27/2010 6:37	1305	Scheduled boiler wash outage.	80.47
78	PO	12/9/2010 22:02	12/13/2010 6:40	1305	Scheduled Wash Outage	80.63
21	U1	2/20/2011 22:26	2/22/2011 22:52	1090	Roof tube failure	48.43
32	PO	3/17/2011 22:08	3/21/2011 5:26	1305	Cleaning boiler due to slag buildup.	79.30
54	U1	4/29/2011 0:26	4/30/2011 1:02	1010	Upper cyclone tube leak	24.60
55	PO	6/2/2011 21:56	6/12/2011 4:24	1305	Scheduled Maintenance outage	222.47
56	U1	6/24/2011 21:06	6/26/2011 17:11	1030	Screen tube failure	44.08
89	U1	8/27/2011 0:26	8/28/2011 12:32	1050	Secondary Superheat Tube Leak	36.10
91	U1	9/9/2011 11:24	9/11/2011 9:00	1050	Secondary Superheat Tube Leak	45.60
92	U1	9/11/2011 23:00	9/13/2011 6:01	1010	#4 Cyclone Tube Leak	31.02
93	U1	9/13/2011 10:20	9/14/2011 18:38	1010	#4 Cyclone Tube Leak	32.30
94	PO	9/22/2011 21:49	9/26/2011 4:39	1305	Scheduled Boiler Wash Outage	78.83
123	PO	12/8/2011 22:06	12/12/2011 5:15	1305	Scheduled maintenance outage	79.15
13	U3	1/23/2012 19:50	1/25/2012 4:55	1050	Boiler Tube Leak	33.08
32	PO	3/30/2012 0:49	4/1/2012 0:00	1800	Scheduled major outage	47.18
33	PO	4/1/2012 0:00	5/15/2012 11:49	1800	Scheduled Major Outage - Turbine and Boiler Work	1067.82
45	U3	5/30/2012 1:22	5/31/2012 2:12	0390	Winbox air leaks and coal leaks on cyclone #2 and #8 burner fronts	24.83
46	U3	6/29/2012 6:06	7/1/2012 14:23	8525	B zone inlet expansion joint tear and #3 and #8 cyclone casing repairs	56.28
98	PO	9/3/2012 22:16	9/7/2012 13:25	1305	Boiler wash outage.	87.15
99	U1	9/23/2012 17:39	9/25/2012 5:13	1030	Screen tube failure.	35.57
107	U3	10/7/2012 19:47	10/9/2012 19:27	1535	Came offline to balance a gas recirculation fan.	47.67
108	U3	11/12/2012 21:12	11/15/2012 5:06	0043	Primary superheat tube leak.	55.90
110	U1	11/19/2012 4:21	1/1/2013 0:00	4830	Generator ground to neutral fault.	1027.65
11	U1	1/1/2013 0:00	2/15/2013 0:29	4511	Generator ground to neutral fault	1080.48
15	U1	5/17/2013 9:42	5/19/2013 4:39	1150	Secondary Superheat Tube Leak	42.95
16	PO	5/30/2013 22:04	5/31/2013 23:59	1801	Spring Outage	25.92
36	PO	6/1/2013 0:00	6/9/2013 2:10	1801	Spring Outage	194.17

OTTER TAIL POWER COMPANY  
 Big Stone Plant Outage Data from January 2001 through June 2013

Source of Data: MicroGADS Event Summary

BIG STONE - BIG STONE 1						
Event	Type	Start	End	Cause	Description	Eq Hrs
1	U2	1/19/2001 23:30	1/21/2001 0:48	1060	TUBE LEAK	25.30
5	PO	5/8/2001 17:59	5/15/2001 9:41	1800	SCHEDULED BOILER WASH	159.70
6	U1	7/20/2001 20:59	7/22/2001 2:27	1060	TUBE LEAK	29.47
7	U1	8/28/2001 8:12	8/29/2001 23:04	1020	CONVECTION PASS WATER TUBES	38.87
10	PO	10/22/2001 17:58	11/2/2001 4:12	1800	SCHEDULED BOILER WASH	251.23
11	U1	11/3/2001 14:02	11/5/2001 3:56	3129	HIGH CONDENSER AIR IN LEAKAGE	37.90
1	U1	4/19/2002 16:34	4/21/2002 15:25	1060	TUBE LEAK	46.85
2	PO	5/11/2002 17:54	5/17/2002 22:39	1800	SCHEDULED BOILER WASH	148.75
3	U1	8/28/2002 11:38	8/29/2002 20:13	1060	TUBE LEAK	32.58
4	MO	9/16/2002 18:10	10/25/2002 17:37	1800	SCHEDULED BOILER OVERHAUL	935.45
15	MO	2/26/2003 18:21	3/2/2003 22:58	1305	HP WASH CONVECTION PASS	100.62
30	U2	4/26/2003 4:19	4/27/2003 10:36	1070	FORCED OUTAGE, REHEATER TUBE LEAK	30.28
43	PO	6/3/2003 17:43	6/11/2003 18:21	1305	SCHEDULED HP WASH TO CLEAN CONVECTION PASS	192.63
76	PO	12/5/2003 18:13	12/13/2003 22:00	1305	SCHEDULED OUTAGE TO HP WASH CONVECTION PASS FIRESIDE	195.78
75	U1	12/13/2003 22:00	12/21/2003 3:16	4530	OFF LINE FOR CONTINUATION OF OUTAGE DUE TOUNSCHEDULED GENERATOR SERVICE	173.27
63	MO	6/4/2004 17:58	6/12/2004 23:08	1800	SPRING OUTAGE FOR BOILER MAINTENANCE	197.17
67	U3	7/14/2004 10:04	7/15/2004 22:48	0430	UNIT OFF LINE TO REPAIR LEAKING CYCLONE FURNANCE TUBE	36.73
65	U2	9/27/2004 16:41	9/28/2004 21:30	1050	REPAIR SSH TUBE LEAK	28.82
66	MO	10/22/2004 20:09	10/30/2004 11:06	1305	SCHEDULED FIRED SIDE HP BOILER WASH	182.95
73	PO	4/15/2005 18:02	5/29/2005 15:38	1800	Scheduled Outage, Boiler Wash, chem clean Boiler and Turbine Service	1053.60
82	MO	6/10/2005 20:01	6/12/2005 18:08	1000	Primary reason was for boiler tube leaks	46.12
84	MO	8/13/2005 2:00	8/14/2005 14:24	4611	Outage, Generator hydrogen cooler leak, 1C	36.40
85	U3	8/16/2005 17:56	8/17/2005 22:59	1040	Outage Boiler Tube leak	29.05
89	MO	9/10/2005 2:30	9/11/2005 10:28	4611	Maintenance Outage, Hydrogen cooler leak repair	31.97
88	U3	9/29/2005 1:26	10/1/2005 3:49	4611	Repair hydrogen cooler leaks and 1A APH air side discharge expansion joint	50.38
92	MO	11/26/2005 23:54	12/3/2005 8:05	4611	Scheduled outage for hydrogen cooler	152.18
98	U2	2/11/2006 2:17	2/12/2006 17:00	1070	Boiler repair, tube leak (reheat)	38.72
139	PO	6/1/2006 17:59	6/12/2006 3:34	1305	Boiler Wash	249.58
242	MO	9/29/2006 21:51	10/1/2006 0:00	4840	Generator Inspection	26.15
272	U2	11/21/2006 21:57	11/23/2006 0:58	1000	Outage repair tube leaks on furnace wall	27.02
3	U2	1/2/2007 19:48	1/3/2007 21:47	1000	Repair tube leaks on secondary superheat (total outage 25hr and 59min)	25.98
42	PO	3/2/2007 20:57	3/4/2007 23:10	8650	Install blanks for Baghouse conversion project	50.22
70	PO	4/24/2007 20:58	4/27/2007 2:23	8650	Outage for Baghouse conversion	53.42
108	MO	5/24/2007 20:58	5/26/2007 8:22	8650	Baghouse conversion	35.40
135	MO	6/9/2007 19:59	6/11/2007 3:03	1455	Outage install ID fan blanks and cages	31.07
255	PO	10/24/2007 17:49	12/6/2007 0:00	4520	Rewinding the Generator	1015.18
257	PE	12/6/2007 0:00	12/24/2007 9:26	4520	Generator Rewind	441.43
269	U3	12/29/2007 2:18	12/31/2007 0:36	0510	valve leaking	46.30
7	U3	1/4/2008 23:54	1/6/2008 3:35	4619	Repair Generator H Leak	27.68
80	U2	4/23/2008 0:29	4/25/2008 5:18	1010	Leak in cyclone #2	52.82
96	PO	5/21/2008 20:02	5/31/2008 1:26	1488	Cold end air heater basket change	221.40
171	U2	8/6/2008 0:47	8/7/2008 2:21	1020	Tube Leak	25.57
177	U3	9/15/2008 23:59	9/17/2008 7:53	3431	Boiler feed pump high pressure recirc valve	31.90
209	U2	11/8/2008 16:23	11/10/2008 7:22	1060	Tube leak	38.98
37	MO	3/6/2009 23:56	3/8/2009 0:56	1000	Tube leak	25.00
89	PO	5/27/2009 19:53	6/7/2009 2:20	1305	Annual boiler outage	246.45
109	U2	8/21/2009 23:52	8/23/2009 4:51	1000	Fixing wall tube leak	28.98
116	U2	9/9/2009 9:11	9/17/2009 22:23	3540	Fixing extraction joint on 5th extraction	205.20
148	U3	11/6/2009 18:53	11/8/2009 1:50	1070	Tube leak repairs	30.95
19	U3	4/9/2010 19:56	4/11/2010 1:52	1070	Tube leak repair	29.93

OTTER TAIL POWER COMPANY  
 Big Stone Plant Outage Data from January 2001 through June 2013

Source of Data: MicroGADS Event Summary

BIG STONE - BIG STONE 1						
Event	Type	Start	End	Cause	Description	Eq Hrs
39	PO	5/12/2010 21:27	5/26/2010 11:34	1305	Off line for annual boiler wash	326.12
51	U3	6/2/2010 23:58	6/4/2010 3:42	0855	Repair safety valves	27.73
58	U3	6/19/2010 0:05	6/20/2010 1:40	4250	Fix slop line inside cond.	25.58
78	U3	8/6/2010 23:58	8/9/2010 0:39	1000	Boiler tube leak	48.68
137	U3	12/30/2010 11:34	1/1/2011 0:00	1040	Primary superheat tube leak repair	36.43
52	U3	4/1/2011 18:24	4/3/2011 4:14	1010	Boiler tube leaks	33.83
148	U1	8/6/2011 10:20	8/7/2011 20:45	1050	Tube leak	34.42
154	U1	8/8/2011 4:17	8/9/2011 23:32	1050	Tube leak	43.25
184	PO	9/14/2011 19:57	10/1/2011 0:00	1800	2011 fall outage	388.05
226	PO	10/1/2011 0:00	11/18/2011 20:01	1800	2011 Fall Outage	1173.02
201	U1	11/28/2011 13:23	11/29/2011 23:58	4020	HP Turb Gland Leakoff Line Steam Leak	34.58
11	U1	2/2/2012 9:00	2/4/2012 10:37	1050	Tube leak	49.62
20	U1	2/15/2012 8:22	2/16/2012 22:57	1070	Tube leak	38.58
25	U1	2/18/2012 23:51	2/21/2012 10:43	1030	Tube leak	58.87
38	U1	3/9/2012 14:52	3/10/2012 23:33	1060	Tube leak	32.68
54	U2	4/11/2012 21:58	4/13/2012 19:48	1060	Tube leak	45.83
66	PO	6/5/2012 17:56	6/17/2012 0:40	1801	Spring Outage	270.73
110	U1	8/1/2012 1:41	8/2/2012 14:24	1070	Tube Leak	36.72
126	U3	9/28/2012 18:59	9/30/2012 3:14	1070	Tube Leak	32.25
9	U3	2/13/2013 17:02	2/16/2013 2:54	1070	Tube leak	57.87
32	U1	3/7/2013 2:04	3/8/2013 3:39	1080	Tube leak	25.58
64	U2	4/24/2013 11:02	4/29/2013 15:51	1040	Tube leak (primary)	124.82
70	PO	5/8/2013 14:55	5/24/2013 3:03	1801	Spring outage	372.13
109	U1	6/21/2013 16:58	6/23/2013 3:20	9036	Turbine trip due to auxiliary transformer failure	34.37

OTTER TAIL POWER COMPANY  
Hoot Lake Plant 2 Outage Data from January 2001 to June 2013

Source of Data: MicroGADS Event Summary

Hoot Lake - Unit 2						
Event	Type	Start	End	Cause	Description	Eq Hrs
1	PO	4/6/2001 22:05	5/11/2001 8:01	4400	Planned Boiler and Turbine Outage	825.93
3	U3	7/13/2001 20:10	7/14/2001 23:38	1000	Wall Tube Leak	27.47
1	U2	1/3/2002 19:55	1/4/2002 20:24	1080	Economizer Tube Leak	24.48
3	U3	4/12/2002 20:39	4/13/2002 23:22	8551	Broken Precipitator Wire	26.72
4	RS	5/24/2002 19:01	5/27/2002 20:08	0000	Economy	73.12
5	U1	7/16/2002 8:25	7/17/2002 23:23	9920	Metal fell from roof onto main transformer	38.97
7	U3	12/19/2002 21:40	12/20/2002 22:32	1180	Boiler Plugging	24.87
1	U3	4/15/2003 23:10	4/17/2003 1:28	1180	Boiler Plugging	26.30
3	U3	7/29/2003 22:07	7/31/2003 0:42	1180	Boiler Plugging	26.58
6	U2	10/1/2003 15:43	10/3/2003 8:26	1000	Waterwall Tube Leak	40.72
1	U1	1/20/2004 12:02	1/22/2004 2:47	1000	Waterwall Tube Leak	38.75
4	U3	4/11/2004 21:21	4/15/2004 4:24	1488	Air Heater Plugging	79.05
5	PO	9/10/2004 21:49	9/29/2004 13:13	4261	Turbine Valve Repairs	447.40
6	U1	9/29/2004 16:14	10/1/2004 20:48	1000	Waterwall Tube Leak	52.57
8	U3	11/3/2004 21:18	11/4/2004 22:47	1180	Boiler Plugging	25.48
1	U3	3/11/2005 21:44	3/13/2005 5:08	1180	Boiler Plugging	31.40
3	U2	4/7/2005 21:57	4/9/2005 6:06	1000	Wall Tube Leak	32.15
4	U2	6/13/2005 10:14	6/14/2005 22:50	1040	Tube Leak Primary Superheat	36.60
1	U3	1/10/2006 22:00	1/12/2006 13:57	3972	Honeywell Card Upgrade	39.95
3	PO	4/7/2006 21:55	4/13/2006 17:19	4261	Repair Control Valve	139.40
4	U2	6/24/2006 13:41	6/26/2006 5:08	1040	Leak Repair on Primary Superheat	39.45
5	PO	8/24/2006 19:54	8/27/2006 12:05	1488	Air Heater Wash	64.18
1	U2	1/31/2007 19:57	2/1/2007 23:42	1180	Economizer Poke Out	27.75
2	U2	3/7/2007 19:58	3/8/2007 23:29	1180	Economizer and PSH Poke Out	27.52
3	U2	6/28/2007 21:41	6/29/2007 22:25	1080	Repair Economizer Tube Leak	24.73
5	U1	7/24/2007 13:53	7/25/2007 16:12	0090	Water in Coal Bunker From Fire	26.32
8	U1	7/25/2007 18:22	7/26/2007 19:14	3832	Valve Leak Repair	24.87
9	U1	12/26/2007 11:40	12/28/2007 0:04	1492	Remove Ice Buildup and Repair 4 Tube Leaks	36.40
1	PO	3/21/2008 17:48	6/12/2008 19:40	4830	Major Generator Overhaul	1993.87
2	U1	6/16/2008 17:23	6/17/2008 21:20	4560	Generator Balancing	27.95
5	U1	6/20/2008 22:02	6/29/2008 8:39	4560	Generator Balancing	202.62
6	U1	6/29/2008 15:04	7/1/2008 13:30	4560	Generator Balancing	46.43
8	U1	7/1/2008 19:34	7/3/2008 8:25	4560	Generator Balancing	36.85
12	PO	9/6/2008 14:12	10/7/2008 10:34	4560	Ecessive Vibration of Rotor	740.37
13	U1	10/7/2008 14:00	10/13/2008 7:58	4560	Generator Balancing	137.97
15	PO	10/22/2008 15:39	11/11/2008 9:34	4560	Noise in Generator	474.92
16	U1	11/11/2008 17:58	11/13/2008 8:01	4560	Noise in Generator - Balance Shot	38.05
10	RS	4/2/2009 23:21	4/5/2009 7:00	0000	RESERVE SHUTDOWN	55.65
11	MO	4/5/2009 7:00	4/10/2009 0:00	4261	Repair #1 Control Valve	113.00
12	U1	4/10/2009 0:00	4/28/2009 4:31	4261	Retrieval of pin from # 7 Control Valve	436.52
13	U1	6/25/2009 9:32	6/26/2009 16:00	1000	Baffle Wall Tube Rupture in Reheat Section	30.47
14	RS	6/26/2009 16:00	6/29/2009 8:31	0000	RESERVE SHUTDOWN	64.52
15	MO	8/20/2009 14:13	8/21/2009 22:28	1060	Tube Leak Repair in Reheat	32.25
16	PO	10/6/2009 20:06	10/9/2009 10:19	1710	Tie in controls from Unit #3	62.22
1	U2	2/4/2010 19:50	2/5/2010 22:22	8551	Broken wire in one field. Wire fell to an adjacent field; two field out of service	26.53

OTTER TAIL POWER COMPANY  
 Hoot Lake Plant 2 Outage Data from January 2001 to June 2013

Source of Data: MicroGADS Event Summary

Hoot Lake - Unit 2						
Event	Type	Start	End	Cause	Description	Eq Hrs
3	MO	4/19/2010 19:55	4/21/2010 23:46	1320	Broken Tube Supports on Primary Superheat Tubes.	51.85
22	MO	7/28/2010 22:05	7/31/2010 12:00	9504	FM Global Drum Inspection	61.92
20	U1	8/11/2010 7:43	8/18/2010 7:47	1030	Screen Tube Rupture	168.07
27	U2	11/18/2010 20:07	11/20/2010 4:46	1180	Poke out of Economizer	32.65
11	U1	4/24/2011 0:39	4/25/2011 12:44	4609	Exciter Relay	36.08
13	U1	4/25/2011 17:54	4/27/2011 13:47	4609	Exciter Relay	43.88
14	RS	5/9/2011 20:58	5/11/2011 0:48	0000	RESERVE SHUTDOWN	27.83
15	RS	5/14/2011 0:00	5/16/2011 4:18	0000	RESERVE SHUTDOWN	52.30
16	RS	6/2/2011 20:45	6/4/2011 6:38	0000	RESERVE SHUTDOWN	33.88
21	MO	9/28/2011 21:52	9/30/2011 2:34	1180	Poke out Econ and Repair Tube Hanger	28.70
4	RS	3/20/2012 23:51	3/27/2012 13:00	0000	RESERVE SHUTDOWN	157.15
5	MO	3/27/2012 13:00	3/30/2012 12:30	0855	Repair of South Drum Safety	71.50
6	RS	3/30/2012 12:30	4/5/2012 7:07	0000	RESERVE SHUTDOWN	138.62
7	RS	5/6/2012 5:13	5/22/2012 6:56	0000	RESERVE SHUTDOWN	385.72
13	MO	7/8/2012 20:17	7/11/2012 23:37	1488	Air Heater Wash and Tube Repair	75.33
18	MO	8/7/2012 21:05	8/8/2012 23:23	1060	Repair Tube leak in Reheat	26.30
26	RS	9/17/2012 23:26	9/20/2012 7:00	0000	RESERVE SHUTDOWN	55.57
28	RS	9/20/2012 19:00	9/28/2012 3:54	0000	RESERVE SHUTDOWN	176.90
30	U1	10/15/2012 8:15	10/17/2012 21:25	1000	Wall Tube Failure and Screen Tube Leak	61.17
1	PO	4/25/2013 20:05	5/3/2013 23:56	1590	Planned Seven Day Outage - Stack Inspection	195.85

OTTER TAIL POWER COMPANY  
 Hoot Lake Plant 3 Outage Data from January 2001 to June 2013

Source of Data: MicroGADS Event Summary

Hoot Lake - Unit 3						
Event	Type	Start	End	Cause	Description	Eq Hrs
4	MO	2/27/2001 21:19	3/1/2001 7:46	1180	Poke Out Boiler	34.45
6	PO	4/25/2001 22:30	5/6/2001 2:05	1801	Scheduled Boiler Outage	243.58
8	RS	6/1/2001 19:38	6/4/2001 6:00	0000	Economy	58.37
14	RS	8/13/2001 15:06	8/17/2001 3:21	0000	Economy	84.25
1	MO	2/12/2003 21:46	2/14/2003 3:08	1080	Economizer Tube Leak	29.37
2	U2	3/29/2002 17:43	3/31/2002 0:24	1080	Economizer Tube Leak	30.68
3	MO	4/26/2002 23:26	5/9/2002 9:07	1310	Chemical Clean	297.68
4	RS	5/24/2002 23:27	5/28/2002 10:14	0000	Economy	82.78
7	MO	12/17/2002 17:48	12/19/2002 21:40	8560	Precipitator Repairs	51.87
9	U1	12/30/2002 8:13	12/31/2002 12:15	1000	Boiler Tube Leak	28.03
2	MO	4/23/2003 22:04	4/24/2003 22:37	1180	Plugged Boiler/Boiler pokeout	24.55
3	RS	6/6/2003 19:45	6/9/2003 0:03	0000	Economy	52.30
7	MO	11/6/2003 21:36	11/8/2003 1:47	1180	Plugged Boiler/Boiler pokeout	28.18
1	U1	1/7/2004 15:05	1/9/2004 7:21	1475	Froze air control line on ID Fan auto trip	40.27
3	PO	3/27/2004 0:47	6/6/2004 18:08	4400	Major Overhaul	1721.35
12	U1	7/21/2004 21:11	8/24/2004 16:17	4212	Turbine Blade Failure	811.10
1	U3	12/31/2004 8:20	1/2/2005 0:40	9131	Coal Shortage Continued from 2004	40.33
3	U2	3/7/2005 22:29	3/9/2005 1:21	1180	Poke Out Boiler	26.87
5	U1	7/20/2005 2:15	7/21/2005 2:57	3431	DA Valve air controller out of limits.	24.70
7	U1	8/20/2005 9:29	8/21/2005 13:25	1020	Repair Water Wall Tube Leak	27.93
13	U3	12/21/2005 22:18	12/24/2005 19:46	9131	Coal Shortage	69.47
1	U2	1/18/2006 22:08	1/20/2006 9:23	1020	Tube Leak Repair	35.25
2	U2	6/12/2006 22:01	6/15/2006 5:47	1180	Boiler Pokeout	55.77
3	U2	6/20/2006 22:00	6/23/2006 18:25	3430	Replace Feedwater Valve	68.42
10	PO	9/15/2006 20:52	10/13/2006 16:31	0360	Low NOx Burner Upgrade	667.65
14	U1	11/15/2006 12:06	11/17/2006 20:07	1020	Repair Tube Leak	56.02
1	U1	1/25/2007 4:03	1/26/2007 7:53	1740	Drum Level Transmitter Failure	27.83
2	U2	4/3/2007 20:58	4/4/2007 22:09	1180	Boiler Poke out	25.18
6	U2	5/1/2007 21:59	5/3/2007 3:32	1020	Repair Tube Leaks	29.55
9	U1	11/30/2007 9:30	12/1/2007 10:33	1080	Repair Tube Leaks	25.05
1	U2	1/8/2008 20:58	1/10/2008 17:13	1080	Repair Tube Leaks	44.25
2	U2	1/25/2008 21:05	1/26/2008 22:22	1080	Repair Tube Leaks	25.28
3	U2	2/27/2008 22:39	3/1/2008 1:06	1050	Repair Tube Leaks	50.45
4	PO	4/15/2008 20:06	4/20/2008 2:40	1590	Stack Inspection	102.57
5	U1	4/21/2008 12:00	4/22/2008 20:49	1000	Repair Tube Leaks	32.82
7	U2	6/10/2008 19:49	6/11/2008 21:53	1000	Repair Tube Leaks	26.07
8	U3	11/4/2008 19:50	11/6/2008 3:20	1000	Leaks on slope	31.50
9	U3	12/19/2008 21:53	12/21/2008 0:41	1050	Repair Tube Leaks in SSH	26.80
4	U3	3/3/2009 19:53	3/5/2009 0:55	1180	Boiler plugging in Economizer and Primary Superheat	29.03
7	MO	5/5/2009 4:00	5/8/2009 14:00	4611	Repair/Replace Hydrogen Cooler Gasket	82.00
8	RS	5/8/2009 14:00	5/11/2009 4:33	0000	RESERVE SHUTDOWN	62.55
9	RS	5/22/2009 20:39	5/26/2009 7:23	0000	RESERVE SHUTDOWN	82.73
10	RS	6/3/2009 21:38	6/8/2009 7:26	0000	RESERVE SHUTDOWN	105.80
12	RS	6/12/2009 22:00	6/15/2009 6:51	0000	RESERVE SHUTDOWN	56.85
14	RS	6/20/2009 23:09	6/22/2009 7:31	0000	RESERVE SHUTDOWN	32.37
13	RS	6/26/2009 21:19	6/29/2009 4:44	0000	RESERVE SHUTDOWN	55.42
15	RS	7/2/2009 22:21	7/6/2009 8:05	0000	RESERVE SHUTDOWN	81.73
16	RS	7/10/2009 23:06	7/13/2009 7:40	0000	RESERVE SHUTDOWN	56.57
18	RS	7/17/2009 20:40	7/20/2009 6:51	0000	RESERVE SHUTDOWN	58.18



OTTER TAIL POWER COMPANY  
 Hoot Lake Plant 3 Outage Data from January 2001 to June 2013

Source of Data: MicroGADS Event Summary

Hoot Lake - Unit 3						
Event	Type	Start	End	Cause	Description	Eq Hrs
19	U2	7/20/2009 20:29	7/28/2009 17:02	1488	Intermediate Basket damaged	188.55
21	RS	7/31/2009 20:45	8/3/2009 8:18	0000	RESERVE SHUTDOWN	59.55
22	RS	8/20/2009 19:31	8/31/2009 3:06	0000	RESERVE SHUTDOWN	247.58
24	RS	9/4/2009 18:00	9/10/2009 10:30	0000	RESERVE SHUTDOWN	136.50
25	RS	9/10/2009 20:49	9/11/2009 22:00	0000	RESERVE SHUTDOWN	25.18
26	PO	9/11/2009 22:00	10/10/2009 22:00	4400	Replace primary and secondary superheat piping and portion of slope wall tubes.	696.00
27	U1	10/10/2009 22:00	12/5/2009 10:35	4400	Additional work required for Turbine Overhaul	1333.58
28	U1	12/6/2009 12:01	12/8/2009 7:45	1000	Tube rupture rear wall just below slope.	43.73
5	U2	6/9/2010 14:53	6/14/2010 8:10	3121	Cracking in Expansion Joint led to loss of vacuum.	113.28
14	U3	8/31/2010 21:57	9/2/2010 6:20	4611	Repair Leak in hydrogen cooler, plugged leaking tubes.	32.38
15	RS	9/9/2010 18:49	9/20/2010 3:57	0000	RESERVE SHUTDOWN	249.13
25	U1	12/8/2010 20:52	12/10/2010 2:21	1000	Tube Rupture	29.48
2	U1	1/9/2011 2:25	1/11/2011 17:54	4305	Leaking seal in governor control valve hydraulic cylinder	63.48
3	U1	4/6/2011 10:25	4/7/2011 20:56	1000	Rupture of Waterwall Tube on Economizer Roof	34.52
4	RS	4/7/2011 20:56	4/11/2011 3:56	0000	RESERVE SHUTDOWN	79.00
5	RS	5/26/2011 23:48	5/31/2011 3:57	0000	RESERVE SHUTDOWN	100.15
6	MO	9/7/2011 21:50	9/9/2011 2:34	1000	Outage to repair four small tube leaks on slope	28.73
1	MO	2/7/2012 22:25	2/13/2012 1:14	1812	Boiler Drum Inspection	122.82
3	RS	4/3/2012 0:35	5/14/2012 4:36	0000	RESERVE SHUTDOWN	988.02
4	RS	5/19/2012 0:26	5/20/2012 6:02	0000	RESERVE SHUTDOWN	29.60
23	MO	8/27/2012 21:07	8/29/2012 1:47	4260	Repair Seals on Left Throttle Valve Actuator	28.67
25	RS	9/28/2012 20:15	10/4/2012 4:28	0000	RESERVE SHUTDOWN	128.22
3	RS	3/2/2013 0:00	3/4/2013 6:51	0000	RESERVE SHUTDOWN	54.85
9	PO	4/25/2013 22:13	5/3/2013 9:08	1590	Scheduled 7 Day Outage - Stack Inspection	178.92
10	RS	5/23/2013 23:47	5/25/2013 7:00	0000	RESERVE SHUTDOWN	31.22
12	RS	5/25/2013 16:37	5/28/2013 5:11	0000	RESERVE SHUTDOWN	60.57
14	RS	5/29/2013 11:55	6/2/2013 8:56	0000	RESERVE SHUTDOWN	93.02

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges - System July 2012 includes any adjustments																
No.	Charge Type Description	(A) Acct	(B) RETAIL				(G) ASSET BASED WHOLESALE				(K) NON ASSET BASED WHOLESALE					
			(C) MWh		(D) Cost		(E) Revenue		(H) MWh		(I) Cost		(L) MWh		(M) Revenue	
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue		
<b>Day Ahead &amp; Real Time Energy</b>																
1	DA Asset Energy Amount	555.02	(353,510)	\$ (12,209,263.20)	326,247	\$ 11,546,392.55	0	\$ -	36,032	\$ 1,566,158.36	TRADE SECRET DATA BEGINS ...					
2	DA Non-asset Energy Amount	555.09	(22,070)	\$ (729,570.18)	4,128	\$ 145,011.37	0	\$ -	0	\$ -						
3	RT Asset Energy Amount	555.19	(9,397)	\$ (227,057.17)	5,902	\$ 312,304.41	0	\$ -	0	\$ -						
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
5	<b>SUBTOTAL</b>		<b>(384,977)</b>	<b>\$ (13,165,890.55)</b>	<b>336,277</b>	<b>\$ 12,003,708.33</b>	<b>0</b>	<b>\$ -</b>	<b>36,032</b>	<b>\$ 1,566,158.36</b>						
<b>Day Ahead &amp; Real Time Energy Loss</b>																
6	DA FBT Loss Amount	555.04	0	\$ (595,581.66)	0	\$ -	0	\$ -	0	\$ -						
7	RT Distribution of Losses Amount	555.24	0	\$ (1,022.81)	0	\$ 123,944.04	0	\$ -	0	\$ -						
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
9	DA Loss Amount		0	\$ (94,024.05)	0	\$ -	0	\$ -	0	\$ -						
10	RT Loss Amount		0	\$ (13,974.90)	0	\$ -	0	\$ -	0	\$ -						
11	DA Losses Rebate on Option B GFA	555.08	0	\$ (202.34)	0	\$ 297,993.20	0	\$ -	0	\$ -						
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (704,805.76)</b>	<b>0</b>	<b>\$ 421,937.24</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>						
<b>Virtual Energy</b>																
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>						
<b>Schedules 16 &amp; 17</b>																
16	DA Mkt Admin Amount	555.01	0	\$ (46,257.31)	0	\$ -	0	\$ (2,407.88)	0	\$ -						
17	RT Mkt Admin Amount	555.18	0	\$ (2,910.48)	0	\$ 162.00	0	\$ (1,802.53)	0	\$ -						
18	FTR Mkt Admin Amount	555.13	0	\$ (2,921.05)	0	\$ -	0	\$ -	0	\$ -						
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (52,088.84)</b>	<b>0</b>	<b>\$ 162.00</b>	<b>0</b>	<b>\$ (4,210.41)</b>	<b>0</b>	<b>\$ -</b>						
<b>Congestion &amp; FTRs</b>																
20	DA FBT Congestion Amount	555.03	0	\$ (665,877.11)	0	\$ 11,451.88	0	\$ -	0	\$ -						
21	DA Congestion		0	\$ -	0	\$ (189,327.90)	0	\$ -	0	\$ -						
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
23	RT Congestion		0	\$ (20,753.13)	0	\$ -	0	\$ -	0	\$ -						
24	FTR Hourly Allocation Amount	555.14	0	\$ (33,263.34)	0	\$ 145,789.08	0	\$ -	0	\$ -						
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 1,124.87	0	\$ -	0	\$ -						
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (1,061.65)	0	\$ 3,595.06	0	\$ -	0	\$ -						
29	FTR Guarantee Uplift Amount	555.37	0	\$ (4,933.51)	0	\$ 0.01	0	\$ -	0	\$ -						
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (26,821.97)	0	\$ 8,846.91	0	\$ -	0	\$ -						
31	FTR Annual Transaction Amount	555.38	0	\$ (8,846.87)	0	\$ 26,821.94	0	\$ -	0	\$ -						
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (347.10)	0	\$ -	0	\$ -	0	\$ -						
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 63,883.06	0	\$ -	0	\$ -						
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (24,844.04)	0	\$ 679,269.27	0	\$ -	0	\$ -						
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (786,748.72)</b>	<b>0</b>	<b>\$ 751,454.18</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>						
<b>RSG &amp; Make Whole Payments</b>																
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (14,940.24)	0	\$ -	0	\$ (2,095.61)	0	\$ -						
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 38,928.05	0	\$ -	0	\$ 2,876.90						
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (79,340.64)	0	\$ 741.64	0	\$ (11,129.39)	0	\$ 103.83						
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 125,279.11						
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 31,406.86	0	\$ -	0	\$ 4,405.71						
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (94,280.88)</b>	<b>0</b>	<b>\$ 71,076.55</b>	<b>0</b>	<b>\$ (13,225.00)</b>	<b>0</b>	<b>\$ 132,665.55</b>						
<b>RNU &amp; Misc Charges</b>																
42	RT Misc Amount	555.25	0	\$ -	0	\$ 1,055.61	0	\$ -	0	\$ -						
43	RT Net Inadvertent Amount	555.27	0	\$ (1,947.94)	0	\$ 4,391.52	0	\$ -	0	\$ -						
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (54,723.00)	0	\$ 12,547.45	0	\$ (7,676.15)	0	\$ 1,759.92						
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (56,670.94)</b>	<b>0</b>	<b>\$ 17,994.58</b>	<b>0</b>	<b>\$ (7,676.15)</b>	<b>0</b>	<b>\$ 1,759.92</b>						
<b>ASM Charges</b>																
47	RT ASM Non-Excessive Energy Amount	555.55	(19,194)	\$ (631,102.94)	8,392	\$ 227,264.75	(10,280)	\$ (357,425.06)	16,688	\$ 518,599.57						
48	RT ASM Excessive Energy Amount	555.56	0	\$ -	18	\$ 215.51	0	\$ -	63	\$ 805.63						
49	<b>SUBTOTAL</b>		<b>(19,194)</b>	<b>\$ (631,102.94)</b>	<b>8,410</b>	<b>\$ 227,480.26</b>	<b>(10,280)</b>	<b>\$ (357,425.06)</b>	<b>16,751</b>	<b>\$ 519,405.20</b>						

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
July 2012 includes any adjustments**

Charge Type Description	(A) Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE															
		(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)		(J)		(K)		(L)		(M)	
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Grandfathered Charge Types</b>																									
50 DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
51 DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
52 RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
53 RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
54 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>								
55 <b>TOTAL MISO DAY 2 CHARGES</b>		<b>(404,171)</b>	<b>\$ (15,491,588.63)</b>	<b>344,687</b>	<b>\$ 13,493,813.14</b>					<b>(10,280)</b>	<b>\$ (382,536.62)</b>	<b>52,783</b>	<b>\$ 2,219,989.03</b>												
56 Less Schedule 16 & 17 (Lines 13, 14, 15)			\$ (52,088.84)		\$ 162.00																				
57 Congestion and Losses Adjustment			\$ (44,673.40)																						
58 No DA generation sch., but still had output for current month			\$ (411.04)																						
59 MISO RSG Bad Debt			\$ -		\$ -																				
60 Total for MN Energy Adjustment Rider			\$ (15,394,415.35)		\$ 13,493,651.14																				
61 Net Retail for MN Energy Adjustment Rider			\$ -		\$ (1,900,764.21)																				
62 Retail MWh include losses of 2.8%																									
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>																									
63 NET MISO (Rev-Cost and MWh)																									
64 Less: Fuel Cost													\$ 1,837,452.41												
65 Less: Misc Cost Adjustment													\$ 42,503												
66 Plus: Capacity Revenue													\$ -												
67 Plus: Bilateral Sales																									
68 Less: Bilateral Purchases																									
69 Less: Schedule 24 for Asset Based Sales													\$ 781.03												
70																									
71 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>													<b>\$ 613,577.29</b>												

... TRADE SECRET DATA ENDS

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
August 2012 includes any adjustments**

No.	Charge Type Description	(A) Acct	(B) RETAIL				(G) ASSET BASED WHOLESALE				(K) NON ASSET BASED WHOLESALE			
			(C) Cost		(D) Revenue		(H) Cost		(I) Revenue		(L) Cost		(M) Revenue	
			MWh		MWh		MWh		MWh		MWh		MWh	
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(324,854)	\$ (9,696,094.92)	294,219	\$ 8,789,242.99	0	\$ -	55,839	\$ 1,654,933.05	TRADE SECRET DATA BEGINS ...			
2	DA Non-asset Energy Amount	555.09	(19,643)	\$ (544,202.26)	4,160	\$ 117,820.51	0	\$ -	0	\$ -				
3	RT Asset Energy Amount	555.19	(7,550)	\$ (148,764.82)	22,176	\$ 570,810.77	0	\$ -	0	\$ -				
4	RT Non-Asset Energy Amount	555.26	(1,100)	\$ (22,221.51)	0	\$ -	0	\$ -	0	\$ -				
5	<b>SUBTOTAL</b>		<b>(353,148)</b>	<b>\$ (10,411,283.51)</b>	<b>320,555</b>	<b>\$ 9,477,874.27</b>	<b>0</b>	<b>\$ -</b>	<b>55,839</b>	<b>\$ 1,654,933.05</b>				
<b>Day Ahead &amp; Real Time Energy Loss</b>														
6	DA FBT Loss Amount	555.04	0	\$ (357,604.07)	0	\$ -	0	\$ -	0	\$ -				
7	RT Distribution of Losses Amount	555.24	0	\$ (2,573.09)	0	\$ 107,395.72	0	\$ -	0	\$ -				
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
9	DA Loss Amount		0	\$ (48,915.09)	0	\$ -	0	\$ -	0	\$ -				
10	RT Loss Amount		0	\$ (20,344.94)	0	\$ -	0	\$ -	0	\$ -				
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ 178,802.11	0	\$ -	0	\$ -				
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (429,437.19)</b>	<b>0</b>	<b>\$ 286,197.83</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Virtual Energy</b>														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Schedules 16 &amp; 17</b>														
16	DA Mkt Admin Amount	555.01	0	\$ (37,022.50)	0	\$ -	0	\$ (3,243.87)	0	\$ -				
17	RT Mkt Admin Amount	555.18	0	\$ (3,322.19)	0	\$ 156.90	0	\$ (1,986.62)	0	\$ -				
18	FTR Mkt Admin Amount	555.13	0	\$ (2,166.19)	0	\$ -	0	\$ -	0	\$ -				
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (42,510.88)</b>	<b>0</b>	<b>\$ 156.90</b>	<b>0</b>	<b>\$ (5,230.49)</b>	<b>0</b>	<b>\$ -</b>				
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$ (841,757.53)	0	\$ 4,277.25	0	\$ -	0	\$ -				
21	DA Congestion		0	\$ -	0	\$ (134,794.05)	0	\$ -	0	\$ -				
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
23	RT Congestion		0	\$ (29,122.91)	0	\$ -	0	\$ -	0	\$ -				
24	FTR Hourly Allocation Amount	555.14	0	\$ (26,333.61)	0	\$ 215,491.41	0	\$ -	0	\$ -				
25	FTR Monthly Allocation Amount	555.15	0	\$ (0.31)	0	\$ 1,166.41	0	\$ -	0	\$ -				
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (1,030.62)	0	\$ 9,220.92	0	\$ -	0	\$ -				
29	FTR Guarantee Uplift Amount	555.37	0	\$ (9,222.68)	0	\$ 1,030.62	0	\$ -	0	\$ -				
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (26,821.96)	0	\$ 8,846.90	0	\$ -	0	\$ -				
31	FTR Annual Transaction Amount	555.38	0	\$ (8,846.87)	0	\$ 26,821.94	0	\$ -	0	\$ -				
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (347.10)	0	\$ -	0	\$ -	0	\$ -				
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ (150.90)	0	\$ 63,883.06	0	\$ -	0	\$ -				
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (5,114.28)	0	\$ 842,594.56	0	\$ -	0	\$ -				
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (948,748.77)</b>	<b>0</b>	<b>\$ 1,038,539.02</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (6,926.88)	0	\$ -	0	\$ (1,381.47)	0	\$ -				
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 14,592.54	0	\$ -	0	\$ 10,712.29				
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (20,402.92)	0	\$ 2,050.32	0	\$ (4,069.28)	0	\$ 408.76				
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 71,167.25				
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (135.64)	0	\$ 38,279.32	0	\$ (27.05)	0	\$ 7,635.39				
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (27,465.44)</b>	<b>0</b>	<b>\$ 54,922.18</b>	<b>0</b>	<b>\$ (5,477.80)</b>	<b>0</b>	<b>\$ 89,923.69</b>				
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$ (0.13)	0	\$ -	0	\$ -	0	\$ -				
43	RT Net Inadvertent Amount	555.27	0	\$ (2,863.73)	0	\$ 9,947.36	0	\$ -	0	\$ -				
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (40,469.52)	0	\$ 2,617.74	0	\$ (8,071.85)	0	\$ 521.93				
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (43,333.38)</b>	<b>0</b>	<b>\$ 12,565.10</b>	<b>0</b>	<b>\$ (8,071.85)</b>	<b>0</b>	<b>\$ 521.93</b>				
<b>ASM Charges</b>														
47	RT ASM Non-Excessive Energy Amount	555.55	(20,328)	\$ (613,040.75)	9,947	\$ 236,536.86	(12,440)	\$ (352,628.42)	22,443	\$ 425,941.22				
48	RT ASM Excessive Energy Amount	555.56	0	\$ -	2	\$ 7.87	0	\$ -	102	\$ 339.36				
49	<b>SUBTOTAL</b>		<b>(20,328)</b>	<b>\$ (613,040.75)</b>	<b>9,949</b>	<b>\$ 236,544.73</b>	<b>(12,440)</b>	<b>\$ (352,628.42)</b>	<b>22,544</b>	<b>\$ 426,280.58</b>				

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges - System August 2012 includes any adjustments													
Charge Type Description	(A) Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
		(B) MWh	(C) Cost	(D) MWh	(E) Revenue	(F) MWh	(G) Cost	(H) MWh	(I) Revenue	(J) MWh	(K) Cost	(L) MWh	(M) Revenue
<b>Grandfathered Charge Types</b>													
50 DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-				
51 DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-				
52 RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-				
53 RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-				
54 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>				
55 <b>TOTAL MISO DAY 2 CHARGES</b>		<b>(373,476) \$</b>	<b>(12,515,819.92)</b>	<b>330,503</b>	<b>\$ 11,106,800.03</b>	<b>(12,440) \$</b>	<b>(371,408.56)</b>	<b>78,383</b>	<b>\$ 2,171,659.25</b>				
56 Less Schedule 16 & 17 (Lines 13, 14, 15)			\$ (42,510.88)		\$ 156.90								
57 Congestion and Losses Adjustment			\$ 13,949.08										
58 No DA generation sch., but still had output for current month			\$ (24,982.32)										
59 MISO RSG Bad Debt			\$ -		\$ -								
60 Total for MN Energy Adjustment Rider			\$ (12,462,275.80)		\$ 11,106,643.13								
61 Net Retail for MN Energy Adjustment Rider				\$ (1,355,632.67)									
62 Retail MWh include losses of 2.8%													
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>													
63 NET MISO (Rev-Cost and MWh)									\$ 1,800,250.69				
64 Less: Fuel Cost								65,943	\$ 1,476,141.92				
65 Less: Misc Cost Adjustment									\$ -				
66 Plus: Capacity Revenue													
67 Plus: Bilateral Sales													
68 Less: Bilateral Purchases													
69 Less: Schedule 24 for Asset Based Sales									\$ 1,016.07				
70													
71 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>									\$ 323,092.70				

... TRADE SECRET DATA ENDS

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges - System September 2012 includes any adjustments														
No.	Charge Type Description	(A) Acct	(B) RETAIL				(G) ASSET BASED WHOLESALE				(K) NON ASSET BASED WHOLESALE			
			(C) Cost		(D) Revenue		(H) Cost		(I) Revenue		(L) Cost		(M) Revenue	
			MWh		MWh		MWh		MWh		MWh		MWh	
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(271,977)	\$ (6,058,815.04)	251,310	\$ 5,704,568.46	0	\$ -	44,717	\$ 1,345,087.89	TRADE SECRET DATA BEGINS ...			
2	DA Non-asset Energy Amount	555.09	(17,645)	\$ (347,689.41)	3,652	\$ 73,954.14	0	\$ -	0	\$ -				
3	RT Asset Energy Amount	555.19	(7,913)	\$ (224,832.16)	5,407	\$ 157,806.26	0	\$ -	0	\$ -				
4	RT Non-Asset Energy Amount	555.26	(5)	\$ (47.31)	0	\$ -	0	\$ -	0	\$ -				
5	<b>SUBTOTAL</b>		<b>(297,541)</b>	<b>\$ (6,631,383.92)</b>	<b>260,369</b>	<b>\$ 5,936,328.86</b>	<b>0</b>	<b>\$ -</b>	<b>44,717</b>	<b>\$ 1,345,087.89</b>				
<b>Day Ahead &amp; Real Time Energy Loss</b>														
6	DA FBT Loss Amount	555.04	0	\$ (238,007.70)	0	\$ -	0	\$ -	0	\$ -				
7	RT Distribution of Losses Amount	555.24	0	\$ (3,495.34)	0	\$ 72,850.84	0	\$ -	0	\$ -				
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
9	DA Loss Amount		0	\$ (110,566.48)	0	\$ -	0	\$ -	0	\$ -				
10	RT Loss Amount		0	\$ (19,309.11)	0	\$ -	0	\$ -	0	\$ -				
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ 119,003.84	0	\$ -	0	\$ -				
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (371,378.63)</b>	<b>0</b>	<b>\$ 191,854.68</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Virtual Energy</b>														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Schedules 16 &amp; 17</b>														
16	DA Mkt Admin Amount	555.01	0	\$ (39,751.44)	0	\$ -	0	\$ (3,332.15)	0	\$ -				
17	RT Mkt Admin Amount	555.18	0	\$ (2,750.10)	0	\$ 191.95	0	\$ (2,465.60)	0	\$ 63.67				
18	FTR Mkt Admin Amount	555.13	0	\$ (1,575.59)	0	\$ -	0	\$ -	0	\$ -				
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (44,077.13)</b>	<b>0</b>	<b>\$ 191.95</b>	<b>0</b>	<b>\$ (5,797.75)</b>	<b>0</b>	<b>\$ 63.67</b>				
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$ (727,034.05)	0	\$ 2,109.21	0	\$ -	0	\$ -				
21	DA Congestion		0	\$ -	0	\$ (135,574.26)	0	\$ -	0	\$ -				
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
23	RT Congestion		0	\$ 634.81	0	\$ -	0	\$ -	0	\$ -				
24	FTR Hourly Allocation Amount	555.14	0	\$ (48,375.89)	0	\$ 164,892.47	0	\$ -	0	\$ -				
25	FTR Monthly Allocation Amount	555.15	0	\$ (0.77)	0	\$ 26,694.56	0	\$ -	0	\$ -				
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (25,024.59)	0	\$ 32,293.30	0	\$ -	0	\$ -				
29	FTR Guarantee Uplift Amount	555.37	0	\$ (32,293.30)	0	\$ 28,836.17	0	\$ -	0	\$ -				
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (30,405.85)	0	\$ 12,939.62	0	\$ -	0	\$ -				
31	FTR Annual Transaction Amount	555.38	0	\$ (12,835.95)	0	\$ 30,400.14	0	\$ -	0	\$ -				
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (3,953.85)	0	\$ -	0	\$ -	0	\$ -				
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 74,677.05	0	\$ -	0	\$ -				
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (4,659.96)	0	\$ 729,584.80	0	\$ -	0	\$ -				
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (883,949.40)</b>	<b>0</b>	<b>\$ 966,853.06</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (5,592.60)	0	\$ 77.43	0	\$ (987.31)	0	\$ 13.67				
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ -	0	\$ -	0	\$ 142.84				
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (15,853.93)	0	\$ 1,726.20	0	\$ (2,798.90)	0	\$ 304.61				
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (0.53)	0	\$ 6,995.63				
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 40,933.59	0	\$ -	0	\$ 7,227.48				
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (21,446.53)</b>	<b>0</b>	<b>\$ 42,737.22</b>	<b>0</b>	<b>\$ (3,786.74)</b>	<b>0</b>	<b>\$ 14,684.23</b>				
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$ (542.54)	0	\$ 9,351.76	0	\$ (73.28)	0	\$ -				
43	RT Net Inadvertent Amount	555.27	0	\$ (4,486.98)	0	\$ 4,545.62	0	\$ -	0	\$ -				
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (43,524.92)	0	\$ 12,959.40	0	\$ (7,684.73)	0	\$ 2,287.91				
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (48,554.44)</b>	<b>0</b>	<b>\$ 26,856.78</b>	<b>0</b>	<b>\$ (7,758.01)</b>	<b>0</b>	<b>\$ 2,287.91</b>				
<b>ASM Charges</b>														
47	RT ASM Non-Excessive Energy Amount	555.55	(14,539)	\$ (273,221.59)	10,657	\$ 182,490.16	(7,965)	\$ (155,547.89)	24,772	\$ 421,435.94				
48	RT ASM Excessive Energy Amount	555.56	0	\$ (35.20)	7	\$ 2.23	0	\$ -	29	\$ 66.12				
49	<b>SUBTOTAL</b>		<b>(14,539)</b>	<b>\$ (273,256.79)</b>	<b>10,664</b>	<b>\$ 182,492.39</b>	<b>(7,965)</b>	<b>\$ (155,547.89)</b>	<b>24,801</b>	<b>\$ 421,502.06</b>				

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
September 2012 includes any adjustments**

Charge Type Description	(A) Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE															
		(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)		(J)		(K)		(L)		(M)	
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Grandfathered Charge Types</b>																									
50 DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
51 DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
52 RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
53 RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
54 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>								
55 <b>TOTAL MISO DAY 2 CHARGES</b>		<b>(312,079)</b>	<b>\$ (8,274,046.84)</b>	<b>271,033</b>	<b>\$ 7,347,314.94</b>					<b>(7,965)</b>	<b>\$ (172,890.39)</b>	<b>69,518</b>	<b>\$ 1,783,625.76</b>												
56 Less Schedule 16 & 17 (Lines 13, 14, 15)			\$ (44,077.13)		\$ 191.95																				
57 Congestion and Losses Adjustment			\$ (51,866.65)																						
58 No DA generation sch., but still had output for current month			\$ -																						
59 MISO RSG Bad Debt			\$ -		\$ -																				
60 Total for MN Energy Adjustment Rider			\$ (8,178,103.06)		\$ 7,347,122.99																				
61 Net Retail for MN Energy Adjustment Rider				\$ (830,980.07)																					
62 Retail MWh include losses of 2.8%																									
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>																									
63 NET MISO (Rev-Cost and MWh)													\$ 1,610,735.37												
64 Less: Fuel Cost													61,553	\$ 1,288,373.57											
65 Less: Misc Cost Adjustment													\$ -												
66 Plus: Capacity Revenue																									
67 Plus: Bilateral Sales																									
68 Less: Bilateral Purchases																									
69 Less: Schedule 24 for Asset Based Sales													\$ 983.13												
70																									
71 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>													\$ 321,378.67												

... TRADE SECRET DATA ENDS

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges - System October 2012 includes any adjustments														
No.	Charge Type Description	(A) Acct	(B) RETAIL				(G) ASSET BASED WHOLESALE				(K) NON ASSET BASED WHOLESALE			
			(C) Cost		(D) Revenue		(H) Cost		(I) Revenue		(L) Cost		(M) Revenue	
			MWh		MWh		MWh		MWh		MWh		MWh	
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(315,051)	\$ (5,952,351.80)	291,078	\$ 5,750,061.26	0	\$ -	65,838	\$ 1,421,089.25	TRADE SECRET DATA BEGINS ...			
2	DA Non-asset Energy Amount	555.09	(21,596)	\$ (375,764.90)	0	\$ -	0	\$ -	0	\$ -				
3	RT Asset Energy Amount	555.19	(38,079)	\$ (756,329.48)	2,797	\$ 73,101.02	0	\$ -	0	\$ -				
4	RT Non-Asset Energy Amount	555.26	(22)	\$ (199.34)	0	\$ -	0	\$ -	0	\$ -				
5	<b>SUBTOTAL</b>		<b>(374,748)</b>	<b>\$ (7,084,645.52)</b>	<b>293,875</b>	<b>\$ 5,823,162.28</b>	<b>0</b>	<b>\$ -</b>	<b>65,838</b>	<b>\$ 1,421,089.25</b>				
<b>Day Ahead &amp; Real Time Energy Loss</b>														
6	DA FBT Loss Amount	555.04	0	\$ (256,501.75)	0	\$ -	0	\$ -	0	\$ -				
7	RT Distribution of Losses Amount	555.24	0	\$ (1,326.54)	0	\$ 93,753.70	0	\$ -	0	\$ -				
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
9	DA Loss Amount		0	\$ (194,888.35)	0	\$ -	0	\$ -	0	\$ -				
10	RT Loss Amount		0	\$ (29,404.85)	0	\$ -	0	\$ -	0	\$ -				
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ 128,250.96	0	\$ -	0	\$ -				
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (482,121.49)</b>	<b>0</b>	<b>\$ 222,004.66</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Virtual Energy</b>														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Schedules 16 &amp; 17</b>														
16	DA Mkt Admin Amount	555.01	0	\$ (54,379.34)	0	\$ -	0	\$ (5,718.10)	0	\$ -				
17	RT Mkt Admin Amount	555.18	0	\$ (6,042.29)	0	\$ 470.41	0	\$ (3,537.56)	0	\$ -				
18	FTR Mkt Admin Amount	555.13	0	\$ (2,195.69)	0	\$ -	0	\$ -	0	\$ -				
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (62,617.32)</b>	<b>0</b>	<b>\$ 470.41</b>	<b>0</b>	<b>\$ (9,255.66)</b>	<b>0</b>	<b>\$ -</b>				
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$ (152,256.15)	0	\$ 3,658.04	0	\$ -	0	\$ -				
21	DA Congestion		0	\$ -	0	\$ 19,996.11	0	\$ -	0	\$ -				
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
23	RT Congestion		0	\$ 6,601.24	0	\$ -	0	\$ -	0	\$ -				
24	FTR Hourly Allocation Amount	555.14	0	\$ (156,022.03)	0	\$ 45,409.07	0	\$ -	0	\$ -				
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 1,342.99	0	\$ -	0	\$ -				
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (1,342.65)	0	\$ 4,403.63	0	\$ -	0	\$ -				
29	FTR Guarantee Uplift Amount	555.37	0	\$ (4,403.63)	0	\$ 1,436.64	0	\$ -	0	\$ -				
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (30,405.85)	0	\$ 12,939.62	0	\$ -	0	\$ -				
31	FTR Annual Transaction Amount	555.38	0	\$ (12,835.95)	0	\$ 30,400.14	0	\$ -	0	\$ -				
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (3,953.85)	0	\$ -	0	\$ -	0	\$ -				
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 74,585.63	0	\$ -	0	\$ -				
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (3,658.04)	0	\$ 152,256.15	0	\$ -	0	\$ -				
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (358,276.91)</b>	<b>0</b>	<b>\$ 346,428.02</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (9,654.25)	0	\$ -	0	\$ (2,179.16)	0	\$ -				
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 4,888.01	0	\$ -	0	\$ 2,100.51				
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (17,028.48)	0	\$ 479.87	0	\$ (3,843.56)	0	\$ 108.16				
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (0.51)	0	\$ 581.51				
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 29,018.55	0	\$ -	0	\$ 6,550.70				
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (26,682.73)</b>	<b>0</b>	<b>\$ 34,386.43</b>	<b>0</b>	<b>\$ (6,023.23)</b>	<b>0</b>	<b>\$ 9,340.88</b>				
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
43	RT Net Inadvertent Amount	555.27	0	\$ (1,059.04)	0	\$ 5,126.98	0	\$ -	0	\$ -				
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (57,764.93)	0	\$ 8,905.09	0	\$ (13,039.45)	0	\$ 2,010.05				
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (58,823.97)</b>	<b>0</b>	<b>\$ 14,032.07</b>	<b>0</b>	<b>\$ (13,039.45)</b>	<b>0</b>	<b>\$ 2,010.05</b>				
<b>ASM Charges</b>														
47	RT ASM Non-Excessive Energy Amount	555.55	(25,079)	\$ (415,675.58)	13,166	\$ 205,658.36	(16,258)	\$ (266,354.42)	24,374	\$ 413,610.18				
48	RT ASM Excessive Energy Amount	555.56	0	\$ (719.25)	39	\$ -	0	\$ -	26	\$ 263.25				
49	<b>SUBTOTAL</b>		<b>(25,079)</b>	<b>\$ (416,394.83)</b>	<b>13,204</b>	<b>\$ 205,658.36</b>	<b>(16,258)</b>	<b>\$ (266,354.42)</b>	<b>24,400</b>	<b>\$ 413,873.43</b>				



**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
October 2012 includes any adjustments**

Charge Type Description	(A) Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE															
		(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)		(J)		(K)		(L)		(M)	
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Grandfathered Charge Types</b>																									
50 DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
51 DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
52 RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
53 RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
54 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>								
55 <b>TOTAL MISO DAY 2 CHARGES</b>		<b>(399,827)</b>	<b>\$ (8,489,562.77)</b>	<b>307,079</b>	<b>\$ 6,646,142.23</b>					<b>(16,258)</b>	<b>\$ (294,672.76)</b>	<b>90,238</b>	<b>\$ 1,846,313.61</b>												
56 Less Schedule 16 & 17 (Lines 13, 14, 15)			\$ (62,617.32)		\$ 470.41																				
57 Congestion and Losses Adjustment			(204,104.40)																						
58 No DA generation sch., but still had output for current month			-																						
59 MISO RSG Bad Debt			-		\$ -																				
60 Total for MN Energy Adjustment Rider			\$ (8,222,841.05)		\$ 6,645,671.82																				
61 Net Retail for MN Energy Adjustment Rider					\$ (1,577,169.23)																				
62 Retail MWh include losses of 2.8%																									
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>																									
63 NET MISO (Rev-Cost and MWh)													\$ 1,551,640.85												
64 Less: Fuel Cost													73,980	\$ 1,511,960.38											
65 Less: Misc Cost Adjustment													\$ -												
66 Plus: Capacity Revenue																									
67 Plus: Bilateral Sales																									
68 Less: Bilateral Purchases																									
69 Less: Schedule 24 for Asset Based Sales													\$ 1,479.57												
70																									
71 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>													<b>\$ 38,200.90</b>												

... TRADE SECRET DATA ENDS

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges - System November 2012 includes any adjustments														
No.	Charge Type Description	(A) Acct	(B) RETAIL				(G) ASSET BASED WHOLESALE				(K) NON ASSET BASED WHOLESALE			
			(C) Cost		(D) Revenue		(H) Cost		(I) Revenue		(L) Cost		(M) Revenue	
			MWh		MWh		MWh		MWh		MWh		MWh	
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(336,967)	\$ (7,642,875.85)	294,086	\$ 6,893,037.95	0	\$ -	33,228	\$ 1,019,010.77	TRADE SECRET DATA BEGINS ...			
2	DA Non-asset Energy Amount	555.09	(27,132)	\$ (505,369.72)	0	\$ -	0	\$ -	0	\$ -				
3	RT Asset Energy Amount	555.19	(15,911)	\$ (316,259.75)	7,551	\$ 160,993.87	0	\$ -	0	\$ -				
4	RT Non-Asset Energy Amount	555.26	(11)	\$ (217.31)	0	\$ -	0	\$ -	0	\$ -				
5	<b>SUBTOTAL</b>		<b>(380,021)</b>	<b>\$ (8,464,722.63)</b>	<b>301,636</b>	<b>\$ 7,054,031.82</b>	<b>0</b>	<b>\$ -</b>	<b>33,228</b>	<b>\$ 1,019,010.77</b>				
<b>Day Ahead &amp; Real Time Energy Loss</b>														
6	DA FBT Loss Amount	555.04	0	\$ (324,477.72)	0	\$ -	0	\$ -	0	\$ -				
7	RT Distribution of Losses Amount	555.24	0	\$ (5,923.25)	0	\$ 94,783.22	0	\$ -	0	\$ -				
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
9	DA Loss Amount		0	\$ (162,601.47)	0	\$ -	0	\$ -	0	\$ -				
10	RT Loss Amount		0	\$ (12,565.96)	0	\$ -	0	\$ -	0	\$ -				
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ 162,238.79	0	\$ -	0	\$ -				
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (505,568.40)</b>	<b>0</b>	<b>\$ 257,022.01</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Virtual Energy</b>														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Schedules 16 &amp; 17</b>														
16	DA Mkt Admin Amount	555.01	0	\$ (62,464.33)	0	\$ -	0	\$ (3,081.91)	0	\$ -				
17	RT Mkt Admin Amount	555.18	0	\$ (5,786.04)	0	\$ 148.01	0	\$ (2,616.73)	0	\$ -				
18	FTR Mkt Admin Amount	555.13	0	\$ (2,510.77)	0	\$ -	0	\$ -	0	\$ -				
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (70,761.14)</b>	<b>0</b>	<b>\$ 148.01</b>	<b>0</b>	<b>\$ (5,698.64)</b>	<b>0</b>	<b>\$ -</b>				
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$ (351,507.30)	0	\$ 4,755.26	0	\$ -	0	\$ -				
21	DA Congestion		0	\$ -	0	\$ (127,383.74)	0	\$ -	0	\$ -				
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
23	RT Congestion		0	\$ (15,318.05)	0	\$ -	0	\$ -	0	\$ -				
24	FTR Hourly Allocation Amount	555.14	0	\$ (244,539.61)	0	\$ 98,407.60	0	\$ -	0	\$ -				
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 1,200.66	0	\$ -	0	\$ -				
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (1,188.65)	0	\$ 18,320.07	0	\$ -	0	\$ -				
29	FTR Guarantee Uplift Amount	555.37	0	\$ (18,320.07)	0	\$ 1,448.02	0	\$ -	0	\$ -				
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (30,405.85)	0	\$ 12,939.62	0	\$ -	0	\$ -				
31	FTR Annual Transaction Amount	555.38	0	\$ (12,835.95)	0	\$ 30,400.14	0	\$ -	0	\$ -				
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (3,953.85)	0	\$ -	0	\$ -	0	\$ -				
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 74,585.63	0	\$ -	0	\$ -				
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (4,755.36)	0	\$ 351,507.40	0	\$ -	0	\$ -				
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (682,824.69)</b>	<b>0</b>	<b>\$ 466,180.66</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (9,590.59)	0	\$ -	0	\$ (1,507.60)	0	\$ -				
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ -	0	\$ -	0	\$ 1,304.61				
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (24,828.75)	0	\$ 704.31	0	\$ (3,903.06)	0	\$ 110.55				
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 1,056.93				
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 36,544.30	0	\$ -	0	\$ 5,745.34				
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (34,419.34)</b>	<b>0</b>	<b>\$ 37,248.61</b>	<b>0</b>	<b>\$ (5,410.66)</b>	<b>0</b>	<b>\$ 8,217.43</b>				
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$ (43,582.93)	0	\$ -	0	\$ (6,005.12)	0	\$ -				
43	RT Net Inadvertent Amount	555.27	0	\$ (5,875.40)	0	\$ 6,863.92	0	\$ -	0	\$ -				
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (102,423.82)	0	\$ 3,327.27	0	\$ (16,102.32)	0	\$ 522.84				
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (151,882.15)</b>	<b>0</b>	<b>\$ 10,191.19</b>	<b>0</b>	<b>\$ (22,107.44)</b>	<b>0</b>	<b>\$ 522.84</b>				
<b>ASM Charges</b>														
47	RT ASM Non-Excessive Energy Amount	555.55	(35,997)	\$ (775,576.64)	11,902	\$ 224,088.28	(6,292)	\$ (122,760.45)	21,274	\$ 485,277.30				
48	RT ASM Excessive Energy Amount	555.56	(0)	\$ (15.91)	1	\$ 22.23	(0)	\$ (0.54)	65	\$ 1,105.21				
49	<b>SUBTOTAL</b>		<b>(35,997)</b>	<b>\$ (775,592.55)</b>	<b>11,903</b>	<b>\$ 224,110.51</b>	<b>(6,292)</b>	<b>\$ (122,760.99)</b>	<b>21,339</b>	<b>\$ 486,382.51</b>				

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
November 2012 includes any adjustments**

Charge Type Description	(A) Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE															
		(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)		(J)		(K)		(L)		(M)	
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Grandfathered Charge Types</b>																									
50 DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
51 DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
52 RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
53 RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
54 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>								
55 <b>TOTAL MISO DAY 2 CHARGES</b>		<b>(416,018) \$</b>	<b>(10,685,770.90)</b>	<b>313,540 \$</b>	<b>8,048,932.81</b>	<b>(6,292) \$</b>	<b>(155,977.73)</b>	<b>54,567 \$</b>	<b>1,514,133.55</b>																
56 Less Schedule 16 & 17 (Lines 13, 14, 15)			\$ (70,761.14)		\$ 148.01																				
57 Congestion and Losses Adjustment			(148,207.98)																						
58 No DA generation sch., but still had output for current month			\$ -		\$ -																				
59 MISO RSG Bad Debt			\$ -		\$ -																				
60 Total for MN Energy Adjustment Rider			\$ (10,466,801.78)		\$ 8,048,784.80																				
61 Net Retail for MN Energy Adjustment Rider					\$ (2,418,016.98)																				
62 Retail MWh include losses of 2.8%																									
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>																									
63 NET MISO (Rev-Cost and MWh)									\$ 1,358,155.82																
64 Less: Fuel Cost									\$ 48,275																
65 Less: Misc Cost Adjustment									\$ -																
66 Plus: Capacity Revenue																									
67 Plus: Bilateral Sales																									
68 Less: Bilateral Purchases																									
69 Less: Schedule 24 for Asset Based Sales									\$ 864.36																
70																									
71 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>									<b>\$ 377,804.09</b>																

... TRADE SECRET DATA ENDS

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges - System December 2012 includes any adjustments														
No.	Charge Type Description	(A) Acct	(B) RETAIL				(G) ASSET BASED WHOLESALE				(K) NON ASSET BASED WHOLESALE			
			(C) Cost		(D) Revenue		(H) Cost		(I) Revenue		(L) Cost		(M) Revenue	
			MWh		MWh		MWh		MWh		MWh		MWh	
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(435,606)	\$ (12,866,853.56)	313,170	\$ 9,346,400.04	0	\$ -	5,571	\$ 183,319.90	TRADE SECRET DATA BEGINS ...			
2	DA Non-asset Energy Amount	555.09	(34,472)	\$ (819,245.20)	0	\$ -	0	\$ -	0	\$ -				
3	RT Asset Energy Amount	555.19	(20,429)	\$ (569,528.68)	9,780	\$ 288,360.14	0	\$ -	0	\$ -				
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
5	<b>SUBTOTAL</b>		<b>(490,507)</b>	<b>\$ (14,255,627.44)</b>	<b>322,950</b>	<b>\$ 9,634,760.18</b>	<b>0</b>	<b>\$ -</b>	<b>5,571</b>	<b>\$ 183,319.90</b>				
<b>Day Ahead &amp; Real Time Energy Loss</b>														
6	DA FBT Loss Amount	555.04	0	\$ (451,249.10)	0	\$ -	0	\$ -	0	\$ -				
7	RT Distribution of Losses Amount	555.24	0	\$ (13,793.64)	0	\$ 224,554.14	0	\$ -	0	\$ -				
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
9	DA Loss Amount		0	\$ (72,231.13)	0	\$ -	0	\$ -	0	\$ -				
10	RT Loss Amount		0	\$ (11,741.98)	0	\$ -	0	\$ -	0	\$ -				
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ 225,624.61	0	\$ -	0	\$ -				
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (549,015.85)</b>	<b>0</b>	<b>\$ 450,178.75</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Virtual Energy</b>														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Schedules 16 &amp; 17</b>														
16	DA Mkt Admin Amount	555.01	0	\$ (67,856.72)	0	\$ -	0	\$ (470.41)	0	\$ -				
17	RT Mkt Admin Amount	555.18	0	\$ (5,486.03)	0	\$ 312.98	0	\$ (1,163.93)	0	\$ -				
18	FTR Mkt Admin Amount	555.13	0	\$ (2,656.74)	0	\$ -	0	\$ -	0	\$ -				
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (75,999.49)</b>	<b>0</b>	<b>\$ 312.98</b>	<b>0</b>	<b>\$ (1,634.34)</b>	<b>0</b>	<b>\$ -</b>				
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$ (783,302.43)	0	\$ 7,953.27	0	\$ -	0	\$ -				
21	DA Congestion		0	\$ -	0	\$ 317,836.44	0	\$ -	0	\$ -				
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
23	RT Congestion		0	\$ (40,453.01)	0	\$ -	0	\$ -	0	\$ -				
24	FTR Hourly Allocation Amount	555.14	0	\$ (130,971.91)	0	\$ 127,821.51	0	\$ -	0	\$ -				
25	FTR Monthly Allocation Amount	555.15	0	\$ (0.01)	0	\$ 2,784.46	0	\$ -	0	\$ -				
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (2,690.14)	0	\$ 13,793.57	0	\$ -	0	\$ -				
29	FTR Guarantee Uplift Amount	555.37	0	\$ (13,793.58)	0	\$ 7,333.87	0	\$ -	0	\$ -				
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (48,576.12)	0	\$ 15,446.52	0	\$ -	0	\$ -				
31	FTR Annual Transaction Amount	555.38	0	\$ (15,338.00)	0	\$ 48,559.14	0	\$ -	0	\$ -				
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (729.41)	0	\$ -	0	\$ -	0	\$ -				
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 57,721.00	0	\$ -	0	\$ -				
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (7,953.27)	0	\$ 783,302.43	0	\$ -	0	\$ -				
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (1,043,807.88)</b>	<b>0</b>	<b>\$ 1,382,552.21</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (10,624.93)	0	\$ 3.07	0	\$ (474.33)	0	\$ 0.13				
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 253.17	0	\$ -	0	\$ -				
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (78,249.24)	0	\$ 2,255.26	0	\$ (3,494.19)	0	\$ 100.55				
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 25,310.55				
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 28,387.79	0	\$ -	0	\$ 1,267.78				
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (88,874.17)</b>	<b>0</b>	<b>\$ 30,899.29</b>	<b>0</b>	<b>\$ (3,968.52)</b>	<b>0</b>	<b>\$ 26,679.01</b>				
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
43	RT Net Inadvertent Amount	555.27	0	\$ (8,411.50)	0	\$ 7,533.26	0	\$ -	0	\$ -				
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (131,452.78)	0	\$ 13,504.93	0	\$ (5,870.24)	0	\$ 602.87				
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (139,864.28)</b>	<b>0</b>	<b>\$ 21,038.19</b>	<b>0</b>	<b>\$ (5,870.24)</b>	<b>0</b>	<b>\$ 602.87</b>				
<b>ASM Charges</b>														
47	RT ASM Non-Excessive Energy Amount	555.55	(31,376)	\$ (843,249.66)	6,302	\$ 201,400.65	(1,294)	\$ (41,424.90)	11,700	\$ 305,717.04				
48	RT ASM Excessive Energy Amount	555.56	0	\$ (1,263.39)	20	\$ 635.46	0	\$ -	112	\$ 8,817.29				
49	<b>SUBTOTAL</b>		<b>(31,376)</b>	<b>\$ (844,513.05)</b>	<b>6,322</b>	<b>\$ 202,036.11</b>	<b>(1,294)</b>	<b>\$ (41,424.90)</b>	<b>11,812</b>	<b>\$ 314,534.33</b>				

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
December 2012 includes any adjustments**

Charge Type Description	(A) Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE															
		(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)		(J)		(K)		(L)		(M)	
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Grandfathered Charge Types</b>																									
50 DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
51 DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
52 RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
53 RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
54 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>								
55 <b>TOTAL MISO DAY 2 CHARGES</b>		<b>(521,883)</b>	<b>\$ (16,997,702.16)</b>	<b>329,273</b>	<b>\$ 11,721,777.71</b>					<b>(1,294)</b>	<b>\$ (52,898.00)</b>	<b>17,383</b>	<b>\$ 525,136.11</b>												
56 Less Schedule 16 & 17 (Lines 13, 14, 15)			\$ (75,999.49)		\$ 312.98																				
57 Congestion and Losses Adjustment			\$ 11,640.13																						
58 No DA generation sch., but still had output for current month			\$ (4,038.23)																						
59 MISO RSG Bad Debt			\$ -		\$ -																				
60 Total for MN Energy Adjustment Rider			\$ (16,929,304.57)		\$ 11,721,464.73																				
61 Net Retail for MN Energy Adjustment Rider				\$ (5,207,839.84)																					
62 Retail MWh include losses of 2.8%																									
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>																									
63 NET MISO (Rev-Cost and MWh)													\$ 472,238.11												
64 Less: Fuel Cost													16,089	\$ 399,413.58											
65 Less: Misc Cost Adjustment													\$ -												
66 Plus: Capacity Revenue																									
67 Plus: Bilateral Sales																									
68 Less: Bilateral Purchases																									
69 Less: Schedule 24 for Asset Based Sales													\$ 250.99												
70																									
71 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>													\$ 72,573.54												

... TRADE SECRET DATA ENDS

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Minnesota Docket No. E999/AA-13-599  
Attachment K to 2012/2013 Annual Automatic Adjustment of Charges Report  
**PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**  
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Otter Tail Power Company Detail of MISO Day 2 Charges - System January 2013 includes any adjustments																
No.	Charge Type Description	(A) Acct	(B) RETAIL				(G) ASSET BASED WHOLESALE				(K) NON ASSET BASED WHOLESALE					
			(C) MWh		(D) Cost		(E) Revenue		(H) MWh		(I) Cost		(L) MWh		(M) Revenue	
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue		
<b>Day Ahead &amp; Real Time Energy</b>																
1	DA Asset Energy Amount	555.02	(413,661)	\$ (11,494,031.35)	259,129	\$ 7,385,111.02	0	\$ -	12,445	\$ 380,198.54	TRADE SECRET DATA BEGINS ...					
2	DA Non-asset Energy Amount	555.09	(18,483)	\$ (442,341.48)	0	\$ -	0	\$ -	0	\$ -						
3	RT Asset Energy Amount	555.19	(11,083)	\$ (291,390.07)	13,969	\$ 403,641.88	0	\$ -	0	\$ -						
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
5	<b>SUBTOTAL</b>		<b>(443,227)</b>	<b>\$ (12,227,762.90)</b>	<b>273,099</b>	<b>\$ 7,788,752.90</b>	<b>0</b>	<b>\$ -</b>	<b>12,445</b>	<b>\$ 380,198.54</b>						
<b>Day Ahead &amp; Real Time Energy Loss</b>																
6	DA FBT Loss Amount	555.04	0	\$ (317,928.28)	0	\$ -	0	\$ -	0	\$ -						
7	RT Distribution of Losses Amount	555.24	0	\$ (3,512.56)	0	\$ 253,547.97	0	\$ -	0	\$ -						
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
9	DA Loss Amount	0	0	\$ (122,983.34)	0	\$ -	0	\$ -	0	\$ -						
10	RT Loss Amount	0	0	\$ (14,581.86)	0	\$ -	0	\$ -	0	\$ -						
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ 158,964.63	0	\$ -	0	\$ -						
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (459,006.04)</b>	<b>0</b>	<b>\$ 412,512.60</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>						
<b>Virtual Energy</b>																
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>						
<b>Schedules 16 &amp; 17</b>																
16	DA Mkt Admin Amount	555.01	0	\$ (67,090.73)	0	\$ -	0	\$ (1,256.01)	0	\$ -						
17	RT Mkt Admin Amount	555.18	0	\$ (4,832.11)	0	\$ 256.97	0	\$ (1,768.85)	0	\$ -						
18	FTR Mkt Admin Amount	555.13	0	\$ (3,304.39)	0	\$ -	0	\$ -	0	\$ -						
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (75,227.23)</b>	<b>0</b>	<b>\$ 256.97</b>	<b>0</b>	<b>\$ (3,024.86)</b>	<b>0</b>	<b>\$ -</b>						
<b>Congestion &amp; FTRs</b>																
20	DA FBT Congestion Amount	555.03	0	\$ (270,754.57)	0	\$ 23.90	0	\$ -	0	\$ -						
21	DA Congestion	0	0	\$ -	0	\$ (70,992.28)	0	\$ -	0	\$ -						
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
23	RT Congestion	0	0	\$ 7,585.53	0	\$ -	0	\$ -	0	\$ -						
24	FTR Hourly Allocation Amount	555.14	0	\$ (153,199.87)	0	\$ 76,001.61	0	\$ -	0	\$ -						
25	FTR Monthly Allocation Amount	555.15	0	\$ (0.14)	0	\$ 2,980.44	0	\$ -	0	\$ -						
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ 69,589.00	0	\$ -	0	\$ -						
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (2,827.29)	0	\$ 4,700.57	0	\$ -	0	\$ -						
29	FTR Guarantee Uplift Amount	555.37	0	\$ (4,950.59)	0	\$ -	0	\$ -	0	\$ -						
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (48,576.12)	0	\$ 15,446.52	0	\$ -	0	\$ -						
31	FTR Annual Transaction Amount	555.38	0	\$ (15,338.00)	0	\$ 48,559.14	0	\$ -	0	\$ -						
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (729.43)	0	\$ -	0	\$ -	0	\$ -						
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ (4.13)	0	\$ 59,075.02	0	\$ -	0	\$ -						
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (23.90)	0	\$ 270,754.57	0	\$ -	0	\$ -						
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (488,818.51)</b>	<b>0</b>	<b>\$ 476,138.49</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>						
<b>RSG &amp; Make Whole Payments</b>																
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (9,011.14)	0	\$ 2.43	0	\$ (532.55)	0	\$ 0.14						
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 6.93	0	\$ -	0	\$ 177.00						
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (30,435.67)	0	\$ 1,504.89	0	\$ (1,798.86)	0	\$ 88.85						
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 1,818.83						
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 14,727.02	0	\$ -	0	\$ 870.62						
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (39,446.81)</b>	<b>0</b>	<b>\$ 16,241.27</b>	<b>0</b>	<b>\$ (2,331.41)</b>	<b>0</b>	<b>\$ 2,955.44</b>						
<b>RNU &amp; Misc Charges</b>																
42	RT Misc Amount	555.25	0	\$ (1,916.47)	0	\$ -	0	\$ (904.35)	0	\$ -						
43	RT Net Inadvertent Amount	555.27	0	\$ (1,989.51)	0	\$ 6,279.35	0	\$ -	0	\$ -						
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (50,902.26)	0	\$ 24,400.21	0	\$ (3,008.90)	0	\$ 1,442.08						
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -						
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (54,808.24)</b>	<b>0</b>	<b>\$ 30,679.56</b>	<b>0</b>	<b>\$ (3,913.25)</b>	<b>0</b>	<b>\$ 1,442.08</b>						
<b>ASM Charges</b>																
47	RT ASM Non-Excessive Energy Amount	555.55	(20,651)	\$ (478,720.77)	9,511	\$ 247,459.09	(3,865)	\$ (85,543.72)	14,372	\$ 303,224.19						
48	RT ASM Excessive Energy Amount	555.56	0	\$ (15.97)	1	\$ -	0	\$ -	48	\$ 850.89						
49	<b>SUBTOTAL</b>		<b>(20,651)</b>	<b>\$ (478,736.74)</b>	<b>9,512</b>	<b>\$ 247,459.09</b>	<b>(3,865)</b>	<b>\$ (85,543.72)</b>	<b>14,420</b>	<b>\$ 304,075.08</b>						

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
January 2013 includes any adjustments**

Charge Type Description	(A) Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE																
		(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)		(J)		(K)		(L)		(M)		
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	
<b>Grandfathered Charge Types</b>																										
50 DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-									
51 DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-									
52 RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-									
53 RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-									
54 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>									
55 <b>TOTAL MISO DAY 2 CHARGES</b>		<b>(463,878) \$</b>	<b>(13,823,806.47)</b>	<b>282,611</b>	<b>\$ 8,972,040.88</b>					<b>(3,865) \$</b>	<b>(94,813.24)</b>	<b>26,866</b>	<b>\$ 688,671.14</b>													
56 Less Schedule 16 & 17 (Lines 13, 14, 15)			\$ (75,227.23)		\$ 256.97																					
57 Congestion and Losses Adjustment			(9,455.49)																							
58 No DA generation sch., but still had output for current month			-																							
59 MISO RSG Bad Debt			-		\$ -																					
60 Total for MN Energy Adjustment Rider			(13,739,123.75)		\$ 8,971,783.91																					
61 Net Retail for MN Energy Adjustment Rider					\$ (4,767,339.84)																					
62 Retail MWh include losses of 2.8%																										
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>																										
63 NET MISO (Rev-Cost and MWh)													\$ 593,857.90													
64 Less: Fuel Cost													23,001 \$													
65 Less: Misc Cost Adjustment													\$ -													
66 Plus: Capacity Revenue																										
67 Plus: Bilateral Sales																										
68 Less: Bilateral Purchases																										
69 Less: Schedule 24 for Asset Based Sales													\$ 393.78													
70																										
71 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>													\$ 114,861.32													

... TRADE SECRET DATA ENDS

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Minnesota Docket No. E999/AA-13-599  
Attachment K to 2012/2013 Annual Automatic Adjustment of Charges Report  
**PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**  
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Otter Tail Power Company Detail of MISO Day 2 Charges - System February 2013 includes any adjustments														
No.	Charge Type Description	(A) Acct	(B) RETAIL				(G) ASSET BASED WHOLESALE				(K) NON ASSET BASED WHOLESALE			
			(C) MWh	(D) Cost	(E) MWh	(F) Revenue	(G) MWh	(H) Cost	(I) MWh	(J) Revenue	(K) MWh	(L) Cost	(M) MWh	(N) Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(413,429)	\$ (11,527,435.82)	270,152	\$ 7,716,828.56	0	\$ -	5,161	\$ 158,896.68	TRADE SECRET DATA BEGINS ...			
2	DA Non-asset Energy Amount	555.09	(33,646)	\$ (768,367.05)	0	\$ -	0	\$ -	0	\$ -				
3	RT Asset Energy Amount	555.19	(3,963)	\$ (119,566.03)	24,961	\$ 767,800.54	0	\$ -	0	\$ -				
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
5	<b>SUBTOTAL</b>		<b>(451,039)</b>	<b>\$ (12,415,368.90)</b>	<b>295,113</b>	<b>\$ 8,484,629.10</b>	<b>0</b>	<b>\$ -</b>	<b>5,161</b>	<b>\$ 158,896.68</b>				
<b>Day Ahead &amp; Real Time Energy Loss</b>														
6	DA FBT Loss Amount	555.04	0	\$ (336,576.98)	0	\$ -	0	\$ -	0	\$ -				
7	RT Distribution of Losses Amount	555.24	0	\$ (2,497.29)	0	\$ 196,842.72	0	\$ -	0	\$ -				
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
9	DA Loss Amount	0	0	\$ (107,266.46)	0	\$ -	0	\$ -	0	\$ -				
10	RT Loss Amount	0	0	\$ (3,685.35)	0	\$ -	0	\$ -	0	\$ -				
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ 168,289.05	0	\$ -	0	\$ -				
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (450,026.08)</b>	<b>0</b>	<b>\$ 365,131.77</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Virtual Energy</b>														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Schedules 16 &amp; 17</b>														
16	DA Mkt Admin Amount	555.01	0	\$ (72,360.79)	0	\$ -	0	\$ (523.06)	0	\$ -				
17	RT Mkt Admin Amount	555.18	0	\$ (5,691.99)	0	\$ 173.49	0	\$ (1,582.61)	0	\$ -				
18	FTR Mkt Admin Amount	555.13	0	\$ (2,898.99)	0	\$ -	0	\$ -	0	\$ -				
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (80,951.77)</b>	<b>0</b>	<b>\$ 173.49</b>	<b>0</b>	<b>\$ (2,105.67)</b>	<b>0</b>	<b>\$ -</b>				
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$ (228,453.64)	0	\$ 9,219.23	0	\$ -	0	\$ -				
21	DA Congestion	0	0	\$ -	0	\$ (40,775.92)	0	\$ -	0	\$ -				
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
23	RT Congestion	0	0	\$ (24,474.89)	0	\$ -	0	\$ -	0	\$ -				
24	FTR Hourly Allocation Amount	555.14	0	\$ (123,165.22)	0	\$ 91,600.38	0	\$ -	0	\$ -				
25	FTR Monthly Allocation Amount	555.15	0	\$ (0.02)	0	\$ 3,321.55	0	\$ -	0	\$ -				
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ 44,705.00	0	\$ -	0	\$ -				
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (2,551.22)	0	\$ 10,433.49	0	\$ -	0	\$ -				
29	FTR Guarantee Uplift Amount	555.37	0	\$ (10,433.49)	0	\$ 3,750.92	0	\$ -	0	\$ -				
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (48,576.12)	0	\$ 15,446.52	0	\$ -	0	\$ -				
31	FTR Annual Transaction Amount	555.38	0	\$ (15,338.00)	0	\$ 48,559.14	0	\$ -	0	\$ -				
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (729.40)	0	\$ -	0	\$ -	0	\$ -				
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 59,102.93	0	\$ -	0	\$ -				
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (9,219.16)	0	\$ 228,453.57	0	\$ -	0	\$ -				
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (462,941.16)</b>	<b>0</b>	<b>\$ 473,816.81</b>	<b>0</b>	<b>\$ (707.28)</b>	<b>0</b>	<b>\$ 2,564.03</b>				
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (8,236.61)	0	\$ 34.50	0	\$ (270.28)	0	\$ 1.13				
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 307.37	0	\$ -	0	\$ -				
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (13,316.59)	0	\$ 3,370.79	0	\$ (437.00)	0	\$ 110.47				
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 2,153.15				
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 9,115.43	0	\$ -	0	\$ 299.28				
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (21,553.20)</b>	<b>0</b>	<b>\$ 12,828.09</b>	<b>0</b>	<b>\$ (707.28)</b>	<b>0</b>	<b>\$ 2,564.03</b>				
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$ -	0	\$ 3.21	0	\$ -	0	\$ 1.52				
43	RT Net Inadvertent Amount	555.27	0	\$ (2,267.95)	0	\$ 9,711.56	0	\$ -	0	\$ -				
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (76,100.58)	0	\$ 17,063.70	0	\$ (2,498.34)	0	\$ 560.14				
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (78,368.53)</b>	<b>0</b>	<b>\$ 26,778.47</b>	<b>0</b>	<b>\$ (2,498.34)</b>	<b>0</b>	<b>\$ 561.66</b>				
<b>ASM Charges</b>														
47	RT ASM Non-Excessive Energy Amount	555.55	(27,426)	\$ (637,666.86)	5,713	\$ 144,892.73	(2,850)	\$ (129,973.41)	12,773	\$ 256,233.62				
48	RT ASM Excessive Energy Amount	555.56	0	\$ -	13	\$ 180.84	0	\$ -	14	\$ 189.01				
49	<b>SUBTOTAL</b>		<b>(27,426)</b>	<b>\$ (637,666.86)</b>	<b>5,726</b>	<b>\$ 145,073.57</b>	<b>(2,850)</b>	<b>\$ (129,973.41)</b>	<b>12,787</b>	<b>\$ 256,422.63</b>				



**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
February 2013 includes any adjustments**

Charge Type Description	(A) Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE															
		(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)		(J)		(K)		(L)		(M)	
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Grandfathered Charge Types</b>																									
50 DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
51 DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
52 RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
53 RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-								
54 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>								
55 <b>TOTAL MISO DAY 2 CHARGES</b>		<b>(478,465)</b>	<b>\$ (14,146,876.50)</b>	<b>300,840</b>	<b>\$ 9,508,431.30</b>					<b>(2,850)</b>	<b>\$ (135,284.70)</b>	<b>17,947</b>	<b>\$ 418,445.00</b>												
56 Less Schedule 16 & 17 (Lines 13, 14, 15)			\$ (80,951.77)		\$ 173.49																				
57 Congestion and Losses Adjustment			(1,575.59)																						
58 No DA generation sch., but still had output for current month			-																						
59 MISO RSG Bad Debt			-		\$ -																				
60 Total for MN Energy Adjustment Rider			\$ (14,064,349.14)		\$ 9,508,257.81																				
61 Net Retail for MN Energy Adjustment Rider					\$ (4,556,091.33)																				
62 Retail MWh include losses of 2.8%																									
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>																									
63 NET MISO (Rev-Cost and MWh)													\$ 283,160.30												
64 Less: Fuel Cost												15,097	\$ 299,129.49												
65 Less: Misc Cost Adjustment													\$ -												
66 Plus: Capacity Revenue																									
67 Plus: Bilateral Sales																									
68 Less: Bilateral Purchases																									
69 Less: Schedule 24 for Asset Based Sales													\$ 285.50												
70																									
71 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>													\$ (16,254.69)												

... TRADE SECRET DATA ENDS

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Minnesota Docket No. E999/AA-13-599  
Attachment K to 2012/2013 Annual Automatic Adjustment of Charges Report  
**PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**  
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Otter Tail Power Company Detail of MISO Day 2 Charges - System March 2013 includes any adjustments																										
No.	Charge Type Description	(A) Acct	(B) RETAIL		(C) RETAIL		(D) RETAIL		(E) RETAIL		(F) ASSET BASED WHOLESALE		(G) ASSET BASED WHOLESALE		(H) ASSET BASED WHOLESALE		(I) ASSET BASED WHOLESALE		(J) NON ASSET BASED WHOLESALE		(K) NON ASSET BASED WHOLESALE		(L) NON ASSET BASED WHOLESALE		(M) NON ASSET BASED WHOLESALE	
			MWh	Cost	MWh	Revenue	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Revenue
<b>Day Ahead &amp; Real Time Energy</b>																										
1	DA Asset Energy Amount	555.02	(393,195)	\$ (10,491,824.86)	341,543	\$ 9,313,772.26	0	\$ -	16,174	\$ 466,754.71	TRADE SECRET DATA BEGINS ...															
2	DA Non-asset Energy Amount	555.09	(34,228)	\$ (770,196.36)	0	\$ -	0	\$ -	0	\$ -																
3	RT Asset Energy Amount	555.19	(5,497)	\$ (146,908.68)	19,543	\$ 545,677.63	0	\$ -	0	\$ -																
4	RT Non-Asset Energy Amount	555.26	(53)	\$ (882.06)	229	\$ 4,556.62	0	\$ -	0	\$ -																
5	<b>SUBTOTAL</b>		<b>(432,974)</b>	<b>\$ (11,409,811.96)</b>	<b>361,315</b>	<b>\$ 9,864,006.51</b>	<b>0</b>	<b>\$ -</b>	<b>16,174</b>	<b>\$ 466,754.71</b>																
<b>Day Ahead &amp; Real Time Energy Loss</b>																										
6	DA FBT Loss Amount	555.04	0	\$ (469,962.17)	0	\$ -	0	\$ -	0	\$ -																
7	RT Distribution of Losses Amount	555.24	0	\$ (1,970.30)	0	\$ 115,998.70	0	\$ -	0	\$ -																
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -																
9	DA Loss Amount		0	\$ (75,427.36)	0	\$ -	0	\$ -	0	\$ -																
10	RT Loss Amount		0	\$ (14,693.67)	0	\$ -	0	\$ -	0	\$ -																
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ 234,980.99	0	\$ -	0	\$ -																
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (562,053.50)</b>	<b>0</b>	<b>\$ 350,979.69</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>																
<b>Virtual Energy</b>																										
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -																
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -																
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>																
<b>Schedules 16 &amp; 17</b>																										
16	DA Mkt Admin Amount	555.01	0	\$ (80,581.27)	0	\$ -	0	\$ (1,684.94)	0	\$ -																
17	RT Mkt Admin Amount	555.18	0	\$ (6,304.20)	0	\$ 115.49	0	\$ (1,829.28)	0	\$ 0.17																
18	FTR Mkt Admin Amount	555.13	0	\$ (3,504.79)	0	\$ -	0	\$ -	0	\$ -																
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (90,390.26)</b>	<b>0</b>	<b>\$ 115.49</b>	<b>0</b>	<b>\$ (3,514.22)</b>	<b>0</b>	<b>\$ 0.17</b>																
<b>Congestion &amp; FTRs</b>																										
20	DA FBT Congestion Amount	555.03	0	\$ (146,664.02)	0	\$ 6,635.60	0	\$ -	0	\$ -																
21	DA Congestion		0	\$ -	0	\$ (1,517.83)	0	\$ -	0	\$ -																
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -																
23	RT Congestion		0	\$ (1,371.41)	0	\$ -	0	\$ -	0	\$ -																
24	FTR Hourly Allocation Amount	555.14	0	\$ (52,175.02)	0	\$ 85,568.60	0	\$ -	0	\$ -																
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 433.57	0	\$ -	0	\$ -																
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -																
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -																
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (251.06)	0	\$ 12,720.64	0	\$ -	0	\$ -																
29	FTR Guarantee Uplift Amount	555.37	0	\$ (12,720.64)	0	\$ 60.08	0	\$ -	0	\$ -																
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (40,525.38)	0	\$ 17,861.85	0	\$ -	0	\$ -																
31	FTR Annual Transaction Amount	555.38	0	\$ (17,789.08)	0	\$ 40,525.38	0	\$ -	0	\$ -																
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (1,028.95)	0	\$ -	0	\$ -	0	\$ -																
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 65,077.90	0	\$ -	0	\$ -																
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (6,635.38)	0	\$ 146,663.80	0	\$ -	0	\$ -																
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (279,160.94)</b>	<b>0</b>	<b>\$ 374,029.59</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>																
<b>RSG &amp; Make Whole Payments</b>																										
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (6,747.39)	0	\$ -	0	\$ (364.98)	0	\$ -																
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ -	0	\$ -	0	\$ -																
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (27,515.49)	0	\$ 1,936.35	0	\$ (1,488.67)	0	\$ 104.69																
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 16,181.75																
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 17,215.95	0	\$ -	0	\$ 931.69																
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (34,262.88)</b>	<b>0</b>	<b>\$ 19,152.30</b>	<b>0</b>	<b>\$ (1,853.65)</b>	<b>0</b>	<b>\$ 17,218.13</b>																
<b>RNU &amp; Misc Charges</b>																										
42	RT Misc Amount	555.25	0	\$ (184.62)	0	\$ -	0	\$ (87.12)	0	\$ -																
43	RT Net Inadvertent Amount	555.27	0	\$ (7,340.18)	0	\$ 8,453.12	0	\$ -	0	\$ -																
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (59,788.42)	0	\$ 14,897.80	0	\$ (3,235.29)	0	\$ 806.03																
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -																
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (67,313.22)</b>	<b>0</b>	<b>\$ 23,350.92</b>	<b>0</b>	<b>\$ (3,322.41)</b>	<b>0</b>	<b>\$ 806.03</b>																
<b>ASM Charges</b>																										
47	RT ASM Non-Excessive Energy Amount	555.55	(29,472)	\$ (638,876.48)	9,335	\$ 206,832.92	(4,221)	\$ (97,113.59)	13,037	\$ 292,660.73																
48	RT ASM Excessive Energy Amount	555.56	0	\$ (78.12)	24	\$ -	0	\$ -	39	\$ 663.36																
49	<b>SUBTOTAL</b>		<b>(29,472)</b>	<b>\$ (638,954.60)</b>	<b>9,359</b>	<b>\$ 206,832.92</b>	<b>(4,221)</b>	<b>\$ (97,113.59)</b>	<b>13,076</b>	<b>\$ 293,324.09</b>																

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges - System March 2013 includes any adjustments													
Charge Type Description	(A) Acct	(B) RETAIL				(F) ASSET BASED WHOLESALE				(J) NON ASSET BASED WHOLESALE			
		(C) MWh	(C) Cost	(D) MWh	(E) Revenue	(F) MWh	(G) Cost	(H) MWh	(I) Revenue	(J) MWh	(K) Cost	(L) MWh	(M) Revenue
<b>Grandfathered Charge Types</b>													
50	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	-
51	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	-
52	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	-
53	RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	-
54	<b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>-</b>
55	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>(462,446) \$</b>	<b>(13,081,947.36)</b>	<b>370,675</b>	<b>\$ 10,838,467.42</b>			<b>(4,221) \$</b>	<b>(105,803.87)</b>	<b>29,250</b>	<b>\$ 778,103.13</b>	
56	Less Schedule 16 & 17 (Lines 13, 14, 15)		\$	(90,390.26)		\$ 115.49							
57	Congestion and Losses Adjustment		\$	(18,703.47)									
58	No DA generation sch., but still had output for current month		\$	-									
59	MISO RSG Bad Debt		\$	-		\$ -							
60	Total for MN Energy Adjustment Rider		\$	(12,972,853.63)		\$ 10,838,351.93							
61	Net Retail for MN Energy Adjustment Rider				\$ (2,134,501.70)								
62	Retail MWh include losses of 2.8%												
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>													
63	NET MISO (Rev-Cost and MWh)												
64	Less: Fuel Cost									25,029		\$ 672,299.26	
65	Less: Misc Cost Adjustment											\$ 528,904.43	
66	Plus: Capacity Revenue											\$ -	
67	Plus: Bilateral Sales												
68	Less: Bilateral Purchases												
69	Less: Schedule 24 for Asset Based Sales											\$ 478.49	
70													
71	<b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>											<b>\$ 142,916.34</b>	

... TRADE SECRET DATA ENDS

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Minnesota Docket No. E999/AA-13-599  
Attachment K to 2012/2013 Annual Automatic Adjustment of Charges Report  
**PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**  
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Otter Tail Power Company Detail of MISO Day 2 Charges - System April 2013 includes any adjustments														
No.	Charge Type Description	(A) Acct	(B) RETAIL				(G) ASSET BASED WHOLESALE				(K) NON ASSET BASED WHOLESALE			
			(C) MWh	(D) Cost	(E) MWh	(F) Revenue	(G) MWh	(H) Cost	(I) MWh	(J) Revenue	(K) MWh	(L) Cost	(M) MWh	(N) Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(376,752)	\$ (11,229,125.75)	355,227	\$ 10,823,986.93	0	\$ -	29,998	\$ 993,019.35	TRADE SECRET DATA BEGINS ...			
2	DA Non-asset Energy Amount	555.09	(22,908)	\$ (563,148.99)	0	\$ -	0	\$ -	0	\$ -				
3	RT Asset Energy Amount	555.19	(9,399)	\$ (251,346.24)	11,563	\$ 395,452.29	0	\$ -	0	\$ -				
4	RT Non-Asset Energy Amount	555.26	0	\$ -	8	\$ 246.60	0	\$ -	0	\$ -				
5	<b>SUBTOTAL</b>		<b>(409,058)</b>	<b>\$ (12,043,620.98)</b>	<b>366,798</b>	<b>\$ 11,219,685.82</b>	<b>0</b>	<b>\$ -</b>	<b>29,998</b>	<b>\$ 993,019.35</b>				
<b>Day Ahead &amp; Real Time Energy Loss</b>														
6	DA FBT Loss Amount	555.04	0	\$ (473,483.49)	0	\$ -	0	\$ -	0	\$ -				
7	RT Distribution of Losses Amount	555.24	0	\$ (3,447.05)	0	\$ 127,240.32	0	\$ -	0	\$ -				
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
9	DA Loss Amount	0	0	\$ (194,235.08)	0	\$ -	0	\$ -	0	\$ -				
10	RT Loss Amount	0	0	\$ 1,488.47	0	\$ -	0	\$ -	0	\$ -				
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ 236,742.23	0	\$ -	0	\$ -				
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (669,677.15)</b>	<b>0</b>	<b>\$ 363,982.55</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Virtual Energy</b>														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Schedules 16 &amp; 17</b>														
16	DA Mkt Admin Amount	555.01	0	\$ (74,322.60)	0	\$ -	0	\$ (2,898.67)	0	\$ -				
17	RT Mkt Admin Amount	555.18	0	\$ (5,840.52)	0	\$ 285.23	0	\$ (2,637.99)	0	\$ -				
18	FTR Mkt Admin Amount	555.13	0	\$ (2,945.70)	0	\$ -	0	\$ -	0	\$ -				
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (83,108.82)</b>	<b>0</b>	<b>\$ 285.23</b>	<b>0</b>	<b>\$ (5,536.66)</b>	<b>0</b>	<b>\$ -</b>				
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$ (480,931.01)	0	\$ 4,739.82	0	\$ -	0	\$ -				
21	DA Congestion	0	0	\$ -	0	\$ (180,132.66)	0	\$ -	0	\$ -				
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
23	RT Congestion	0	0	\$ (9,798.52)	0	\$ -	0	\$ -	0	\$ -				
24	FTR Hourly Allocation Amount	555.14	0	\$ (139,820.51)	0	\$ 105,207.18	0	\$ -	0	\$ -				
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 2,428.77	0	\$ -	0	\$ -				
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ 24,769.67	0	\$ -	0	\$ -				
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (27,139.18)	0	\$ 14,556.54	0	\$ -	0	\$ -				
29	FTR Guarantee Uplift Amount	555.37	0	\$ (14,556.54)	0	\$ 24,856.77	0	\$ -	0	\$ -				
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (40,525.38)	0	\$ 17,861.85	0	\$ -	0	\$ -				
31	FTR Annual Transaction Amount	555.38	0	\$ (17,789.08)	0	\$ 40,525.38	0	\$ -	0	\$ -				
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (1,028.95)	0	\$ -	0	\$ -	0	\$ -				
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ -	0	\$ 65,077.33	0	\$ -	0	\$ -				
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (4,739.83)	0	\$ 480,931.02	0	\$ -	0	\$ -				
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (736,329.00)</b>	<b>0</b>	<b>\$ 600,821.67</b>	<b>0</b>	<b>\$ (9,914.22)</b>	<b>0</b>	<b>\$ 16,002.97</b>				
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (11,856.79)	0	\$ 0.68	0	\$ (1,174.93)	0	\$ 0.05				
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 788.02	0	\$ -	0	\$ 123.96				
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (60,345.12)	0	\$ 1,022.72	0	\$ (5,980.28)	0	\$ 101.23				
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (2,759.01)	0	\$ 10,720.72				
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 51,024.88	0	\$ -	0	\$ 5,057.01				
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (72,201.91)</b>	<b>0</b>	<b>\$ 52,836.30</b>	<b>0</b>	<b>\$ (9,914.22)</b>	<b>0</b>	<b>\$ 16,002.97</b>				
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$ -	0	\$ 22,681.91	0	\$ -	0	\$ -				
43	RT Net Inadvertent Amount	555.27	0	\$ (11,755.30)	0	\$ 12,208.44	0	\$ -	0	\$ -				
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (97,357.62)	0	\$ 25,106.19	0	\$ (9,648.65)	0	\$ 2,487.95				
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (109,112.92)</b>	<b>0</b>	<b>\$ 59,996.54</b>	<b>0</b>	<b>\$ (9,648.65)</b>	<b>0</b>	<b>\$ 2,487.95</b>				
<b>ASM Charges</b>														
47	RT ASM Non-Excessive Energy Amount	555.55	(35,737)	\$ (748,880.02)	7,832	\$ 169,363.94	(9,127)	\$ (212,534.92)	18,314	\$ 460,459.13				
48	RT ASM Excessive Energy Amount	555.56	0	\$ (3,808.81)	265	\$ 134.04	0	\$ -	28	\$ 641.02				
49	<b>SUBTOTAL</b>		<b>(35,737)</b>	<b>\$ (752,688.83)</b>	<b>8,097</b>	<b>\$ 169,497.98</b>	<b>(9,127)</b>	<b>\$ (212,534.92)</b>	<b>18,342</b>	<b>\$ 461,100.15</b>				

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
April 2013 includes any adjustments**

Charge Type Description	(A) Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE															
		(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)		(J)		(K)		(L)		(M)	
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Grandfathered Charge Types</b>																									
50 DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
51 DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
52 RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
53 RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
54 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
55 <b>TOTAL MISO DAY 2 CHARGES</b>		<b>(444,795) \$</b>	<b>(14,466,739.61)</b>	<b>374,895</b>	<b>\$ 12,467,106.09</b>					<b>(9,127) \$</b>	<b>(237,634.45)</b>	<b>48,340</b>	<b>\$ 1,472,610.42</b>												
56 Less Schedule 16 & 17 (Lines 13, 14, 15)			\$ (83,108.82)		\$ 285.23																				
57 Congestion and Losses Adjustment			\$ (53,281.00)																						
58 No DA generation sch., but still had output for current month			\$ (12,609.90)																						
59 MISO RSG Bad Debt			\$ -		\$ -																				
60 Total for MN Energy Adjustment Rider			\$ (14,317,739.89)		\$ 12,466,820.86																				
61 Net Retail for MN Energy Adjustment Rider				\$ (1,850,919.03)																					
62 Retail MWh include losses of 2.8%																									
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>																									
63 NET MISO (Rev-Cost and MWh)													\$ 1,234,975.97												
64 Less: Fuel Cost													39,213 \$												
65 Less: Misc Cost Adjustment													\$ -												
66 Plus: Capacity Revenue																									
67 Plus: Bilateral Sales																									
68 Less: Bilateral Purchases																									
69 Less: Schedule 24 for Asset Based Sales													\$ 869.63												
70																									
71 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>													\$ 399,238.48												

... TRADE SECRET DATA ENDS

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges - System May 2013 includes any adjustments														
No.	Charge Type Description	(A) Acct	(B) RETAIL				(G) ASSET BASED WHOLESALE				(K) NON ASSET BASED WHOLESALE			
			(C) MWh	(D) Cost	(E) MWh	(F) Revenue	(G) MWh	(H) Cost	(I) MWh	(J) Revenue	(K) MWh	(L) Cost	(M) MWh	(N) Revenue
<b>Day Ahead &amp; Real Time Energy</b>														
1	DA Asset Energy Amount	555.02	(293,324)	\$ (7,764,245.80)	229,584	\$ 6,306,121.34	0	\$ -	24,617	\$ 785,736.23	TRADE SECRET DATA BEGINS ...			
2	DA Non-asset Energy Amount	555.09	(14,589)	\$ (337,378.83)	0	\$ -	0	\$ -	0	\$ -				
3	RT Asset Energy Amount	555.19	(20,967)	\$ (599,056.88)	3,862	\$ 109,076.81	0	\$ -	0	\$ -				
4	RT Non-Asset Energy Amount	555.26	0	\$ -	11	\$ 174.13	0	\$ -	0	\$ -				
5	<b>SUBTOTAL</b>		<b>(328,880)</b>	<b>\$ (8,700,681.51)</b>	<b>233,457</b>	<b>\$ 6,415,372.28</b>	<b>0</b>	<b>\$ -</b>	<b>24,617</b>	<b>\$ 785,736.23</b>				
<b>Day Ahead &amp; Real Time Energy Loss</b>														
6	DA FBT Loss Amount	555.04	0	\$ (153,285.26)	0	\$ -	0	\$ -	0	\$ -				
7	RT Distribution of Losses Amount	555.24	0	\$ (4,027.37)	0	\$ 141,693.44	0	\$ -	0	\$ -				
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
9	DA Loss Amount		0	\$ (246,475.12)	0	\$ -	0	\$ -	0	\$ -				
10	RT Loss Amount		0	\$ (23,618.04)	0	\$ -	0	\$ -	0	\$ -				
11	DA Losses Rebate on Option B GFA	555.08	0	\$ -	0	\$ 76,643.28	0	\$ -	0	\$ -				
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (427,405.79)</b>	<b>0</b>	<b>\$ 218,336.72</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Virtual Energy</b>														
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>Schedules 16 &amp; 17</b>														
16	DA Mkt Admin Amount	555.01	0	\$ (48,245.34)	0	\$ -	0	\$ (2,189.90)	0	\$ -				
17	RT Mkt Admin Amount	555.18	0	\$ (4,812.66)	0	\$ 754.95	0	\$ (1,442.91)	0	\$ -				
18	FTR Mkt Admin Amount	555.13	0	\$ (1,360.27)	0	\$ -	0	\$ -	0	\$ -				
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (54,418.27)</b>	<b>0</b>	<b>\$ 754.95</b>	<b>0</b>	<b>\$ (3,632.81)</b>	<b>0</b>	<b>\$ -</b>				
<b>Congestion &amp; FTRs</b>														
20	DA FBT Congestion Amount	555.03	0	\$ (175,201.83)	0	\$ 10,023.80	0	\$ -	0	\$ -				
21	DA Congestion		0	\$ -	0	\$ (160,265.65)	0	\$ -	0	\$ -				
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
23	RT Congestion		0	\$ 38,791.89	0	\$ -	0	\$ -	0	\$ -				
24	FTR Hourly Allocation Amount	555.14	0	\$ (379,360.66)	0	\$ 55,896.42	0	\$ -	0	\$ -				
25	FTR Monthly Allocation Amount	555.15	0	\$ (22.78)	0	\$ 7,340.31	0	\$ -	0	\$ -				
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (7,230.85)	0	\$ 8,544.43	0	\$ -	0	\$ -				
29	FTR Guarantee Uplift Amount	555.37	0	\$ (8,539.61)	0	\$ 10,173.65	0	\$ -	0	\$ -				
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (40,525.38)	0	\$ 17,861.85	0	\$ -	0	\$ -				
31	FTR Annual Transaction Amount	555.38	0	\$ (17,789.08)	0	\$ 40,525.38	0	\$ -	0	\$ -				
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (1,028.95)	0	\$ 0.11	0	\$ -	0	\$ -				
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ (679.78)	0	\$ 65,113.01	0	\$ -	0	\$ -				
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (10,023.80)	0	\$ 175,201.83	0	\$ -	0	\$ -				
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (601,610.83)</b>	<b>0</b>	<b>\$ 230,415.14</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>				
<b>RSG &amp; Make Whole Payments</b>														
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (14,713.59)	0	\$ -	0	\$ (1,121.45)	0	\$ -				
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 6,399.46	0	\$ -	0	\$ 2,846.40				
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (236,440.00)	0	\$ 631.65	0	\$ (18,023.55)	0	\$ 48.07				
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 20,012.28				
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (9.68)	0	\$ 21,392.06	0	\$ (0.73)	0	\$ 1,630.76				
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (251,163.27)</b>	<b>0</b>	<b>\$ 28,423.17</b>	<b>0</b>	<b>\$ (19,145.73)</b>	<b>0</b>	<b>\$ 24,537.51</b>				
<b>RNU &amp; Misc Charges</b>														
42	RT Misc Amount	555.25	0	\$ (10.75)	0	\$ -	0	\$ (0.09)	0	\$ -				
43	RT Net Inadvertent Amount	555.27	0	\$ (9,787.71)	0	\$ 8,758.31	0	\$ -	0	\$ -				
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (89,476.51)	0	\$ 17,242.05	0	\$ (6,820.58)	0	\$ 1,314.11				
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -				
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (99,274.97)</b>	<b>0</b>	<b>\$ 26,000.36</b>	<b>0</b>	<b>\$ (6,820.67)</b>	<b>0</b>	<b>\$ 1,314.11</b>				
<b>ASM Charges</b>														
47	RT ASM Non-Excessive Energy Amount	555.55	(27,619)	\$ (562,043.06)	11,995	\$ 316,654.94	(5,187)	\$ (103,720.16)	10,707	\$ 292,670.29				
48	RT ASM Excessive Energy Amount	555.56	0	\$ (1,251.41)	111	\$ -	0	\$ -	19	\$ 199.89				
49	<b>SUBTOTAL</b>		<b>(27,619)</b>	<b>\$ (563,294.47)</b>	<b>12,106</b>	<b>\$ 316,654.94</b>	<b>(5,187)</b>	<b>\$ (103,720.16)</b>	<b>10,726</b>	<b>\$ 292,870.18</b>				

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
May 2013 includes any adjustments**

Charge Type Description	(A) Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE															
		(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)		(J)		(K)		(L)		(M)	
		MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
<b>Grandfathered Charge Types</b>																									
50 DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
51 DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
52 RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
53 RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
54 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>
55 <b>TOTAL MISO DAY 2 CHARGES</b>		<b>(356,499) \$</b>	<b>(10,697,849.11)</b>	<b>245,563 \$</b>	<b>7,235,957.56</b>					<b>(5,187) \$</b>	<b>(133,319.37)</b>	<b>35,343 \$</b>	<b>1,104,458.03</b>												
56 Less Schedule 16 & 17 (Lines 13, 14, 15)			\$ (54,418.27)		\$ 754.95																				
57 Congestion and Losses Adjustment			\$ (51,267.09)																						
58 No DA generation sch., but still had output for current month			\$ -																						
59 MISO RSG Bad Debt			\$ -		\$ -																				
60 Total for MN Energy Adjustment Rider			\$ (10,592,163.75)		\$ 7,235,202.61																				
61 Net Retail for MN Energy Adjustment Rider			\$ (3,356,961.14)																						
62 Retail MWh include losses of 2.8%																									
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>																									
63 NET MISO (Rev-Cost and MWh)																									
64 Less: Fuel Cost																									
65 Less: Misc Cost Adjustment																									
66 Plus: Capacity Revenue																									
67 Plus: Bilateral Sales																									
68 Less: Bilateral Purchases																									
69 Less: Schedule 24 for Asset Based Sales																									
70																									
71 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>																									

... TRADE SECRET DATA ENDS

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
June 2013 includes any adjustments**

No.	Charge Type Description	(A) Acct	(B) RETAIL		(C) RETAIL		(D) RETAIL		(E) RETAIL		(F) ASSET BASED WHOLESALE		(G) ASSET BASED WHOLESALE		(H) ASSET BASED WHOLESALE		(I) ASSET BASED WHOLESALE		(J) NON ASSET BASED WHOLESALE		(K) NON ASSET BASED WHOLESALE		(L) NON ASSET BASED WHOLESALE		(M) NON ASSET BASED WHOLESALE			
			MWh	Cost	MWh	Revenue	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Revenue	MWh	Revenue
<b>Day Ahead &amp; Real Time Energy</b>																												
1	DA Asset Energy Amount	555.02	(249,870)	\$ (5,160,552.58)	221,069	\$ 4,750,120.45	0	\$ -	40,877	\$ 1,129,897.11	TRADE SECRET DATA BEGINS ...																	
2	DA Non-asset Energy Amount	555.09	(16,202)	\$ (280,855.49)	0	\$ -	0	\$ -	0	\$ -																		
3	RT Asset Energy Amount	555.19	(23,280)	\$ (526,394.75)	2,359	\$ 60,106.62	0	\$ -	0	\$ -																		
4	RT Non-Asset Energy Amount	555.26	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
5	<b>SUBTOTAL</b>		<b>(289,353)</b>	<b>\$ (5,967,802.82)</b>	<b>223,428</b>	<b>\$ 4,810,227.07</b>	<b>0</b>	<b>\$ -</b>	<b>40,877</b>	<b>\$ 1,129,897.11</b>																		
<b>Day Ahead &amp; Real Time Energy Loss</b>																												
6	DA FBT Loss Amount	555.04	0	\$ (17,097.73)	0	\$ 1,598.86	0	\$ -	0	\$ -																		
7	RT Distribution of Losses Amount	555.24	0	\$ (7,620.88)	0	\$ 117,037.47	0	\$ -	0	\$ -																		
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
9	DA Loss Amount	0	0	\$ (254,437.39)	0	\$ -	0	\$ -	0	\$ -																		
10	RT Loss Amount	0	0	\$ (16,667.17)	0	\$ -	0	\$ -	0	\$ -																		
11	DA Losses Rebate on Option B GFA	555.08	0	\$ (799.42)	0	\$ 8,548.82	0	\$ -	0	\$ -																		
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (296,622.59)</b>	<b>0</b>	<b>\$ 127,185.15</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>																		
<b>Virtual Energy</b>																												
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>																		
<b>Schedules 16 &amp; 17</b>																												
16	DA Mkt Admin Amount	555.01	0	\$ (45,914.63)	0	\$ -	0	\$ (3,913.96)	0	\$ -																		
17	RT Mkt Admin Amount	555.18	0	\$ (4,184.13)	0	\$ 185.96	0	\$ (3,099.13)	0	\$ -																		
18	FTR Mkt Admin Amount	555.13	0	\$ (2,805.43)	0	\$ -	0	\$ -	0	\$ -																		
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (52,904.19)</b>	<b>0</b>	<b>\$ 185.96</b>	<b>0</b>	<b>\$ (7,013.09)</b>	<b>0</b>	<b>\$ -</b>																		
<b>Congestion &amp; FTRs</b>																												
20	DA FBT Congestion Amount	555.03	0	\$ (61,680.85)	0	\$ 491.40	0	\$ -	0	\$ -																		
21	DA Congestion	0	0	\$ -	0	\$ (257,963.10)	0	\$ -	0	\$ -																		
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
23	RT Congestion	0	0	\$ (13,658.54)	0	\$ -	0	\$ -	0	\$ -																		
24	FTR Hourly Allocation Amount	555.14	0	\$ (91,908.23)	0	\$ 423,257.02	0	\$ (9,108.23)	0	\$ -																		
25	FTR Monthly Allocation Amount	555.15	0	\$ -	0	\$ 1,067.83	0	\$ -	0	\$ -																		
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (677.02)	0	\$ 39,529.91	0	\$ -	0	\$ -																		
29	FTR Guarantee Uplift Amount	555.37	0	\$ (39,529.91)	0	\$ 344.75	0	\$ -	0	\$ -																		
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (150,241.62)	0	\$ 701,486.90	0	\$ -	0	\$ -																		
31	FTR Annual Transaction Amount	555.38	0	\$ (701,487.06)	0	\$ 149,945.59	0	\$ -	0	\$ -																		
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (15,882.03)	0	\$ 0.22	0	\$ (15,882.03)	0	\$ -																		
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ (1,359.91)	0	\$ 72,963.56	0	\$ -	0	\$ -																		
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (491.40)	0	\$ 61,680.85	0	\$ -	0	\$ -																		
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (1,076,916.57)</b>	<b>0</b>	<b>\$ 1,192,804.93</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>																		
<b>RSG &amp; Make Whole Payments</b>																												
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (6,478.86)	0	\$ -	0	\$ (794.55)	0	\$ -																		
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 11,196.19	0	\$ -	0	\$ 1,552.89																		
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (19,905.88)	0	\$ 1,477.52	0	\$ (2,441.33)	0	\$ 181.05																		
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ -	0	\$ 2,723.04																		
40	RT Price Volatility Make Whole Payment	555.42	0	\$ -	0	\$ 54,102.18	0	\$ -	0	\$ 6,636.20																		
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (26,384.74)</b>	<b>0</b>	<b>\$ 66,775.89</b>	<b>0</b>	<b>\$ (3,235.88)</b>	<b>0</b>	<b>\$ 11,093.18</b>																		
<b>RNU &amp; Misc Charges</b>																												
42	RT Misc Amount	555.25	0	\$ (20.66)	0	\$ 79.40	0	\$ -	0	\$ -																		
43	RT Net Inadvertent Amount	555.27	0	\$ (12,389.80)	0	\$ 8,254.69	0	\$ -	0	\$ -																		
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (95,396.89)	0	\$ 15,858.96	0	\$ (11,701.18)	0	\$ 1,945.06																		
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (107,807.35)</b>	<b>0</b>	<b>\$ 24,193.05</b>	<b>0</b>	<b>\$ (11,701.18)</b>	<b>0</b>	<b>\$ 1,945.06</b>																		
<b>ASM Charges</b>																												
47	RT ASM Non-Excessive Energy Amount	555.55	(19,281)	\$ (380,461.21)	9,275	\$ 153,216.72	(15,703)	\$ (394,292.91)	15,635	\$ 324,142.15																		
48	RT ASM Excessive Energy Amount	555.56	(0)	\$ (236.10)	65	\$ -	(1)	\$ (3,788.15)	61	\$ 525.70																		
49	<b>SUBTOTAL</b>		<b>(19,281)</b>	<b>\$ (380,697.31)</b>	<b>9,340</b>	<b>\$ 153,216.72</b>	<b>(15,704)</b>	<b>\$ (398,081.06)</b>	<b>15,696</b>	<b>\$ 324,667.85</b>																		



**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges - System June 2013 includes any adjustments													
Charge Type Description	(A) Acct	RETAIL				ASSET BASED WHOLESALE				NON ASSET BASED WHOLESALE			
		(B) MWh	(C) Cost	(D) MWh	(E) Revenue	(F) MWh	(G) Cost	(H) MWh	(I) Revenue	(J) MWh	(K) Cost	(L) MWh	(M) Revenue
<b>Grandfathered Charge Types</b>													
50 DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-				
51 DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-				
52 RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-				
53 RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-				
54 <b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>				
<b>55 TOTAL MISO DAY 2 CHARGES</b>		<b>(308,634) \$</b>	<b>(7,909,135.57)</b>	<b>232,768</b>	<b>\$ 6,374,588.77</b>	<b>(15,704) \$</b>	<b>(420,031.21)</b>	<b>56,573</b>	<b>\$ 1,467,603.20</b>				
56 Less Schedule 16 & 17 (Lines 13, 14, 15)			\$ (52,904.19)		\$ 185.96								
57 Congestion and Losses Adjustment			\$ (4,023.77)										
58 No DA generation sch., but still had output for current month			\$ (16,381.33)										
59 MISO RSG Bad Debt			\$ -		\$ -								
60 Total for MN Energy Adjustment Rider			\$ (7,835,826.28)		\$ 6,374,402.81								
61 Net Retail for MN Energy Adjustment Rider				\$ (1,461,423.47)									
62 Retail MWh include losses of 2.8%													
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>													
63 NET MISO (Rev-Cost and MWh)									\$ 1,047,571.99				
64 Less: Fuel Cost								40,869	\$ 823,704.83				
65 Less: Misc Cost Adjustment									\$ -				
66 Plus: Capacity Revenue													
67 Plus: Bilateral Sales													
68 Less: Bilateral Purchases													
69 Less: Schedule 24 for Asset Based Sales									\$ 981.74				
70													
71 <b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>									<b>\$ 222,885.42</b>				

... TRADE SECRET DATA ENDS

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Minnesota Docket No. E999/AA-13-599  
Attachment K to 2012/2013 Annual Automatic Adjustment of Charges Report  
**PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**  
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**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
July 2012 to June 2013 includes any adjustments**

No.	Charge Type Description	(A) Acct	(B)		(C)		(D)		(E)		(F)		(G)		(H)		(I)		(J)		(K)		(L)		(M)			
			RETAIL		ASSET BASED WHOLESALE		NON ASSET BASED WHOLESALE		MWh		Cost		MWh		Revenue		MWh		Revenue		MWh		Revenue		MWh		Revenue	
			MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Revenue
<b>Day Ahead &amp; Real Time Energy</b>																												
1	DA Asset Energy Amount	555.02	(4,178,196)	\$ (112,093,470.53)	3,446,814	\$ 94,325,643.81	0	\$ -	370,498	\$ 11,104,101.84	TRADE SECRET DATA BEGINS ...																	
2	DA Non-asset Energy Amount	555.09	(282,616)	\$ (6,484,129.87)	11,940	\$ 336,786.02	0	\$ -	0	\$ -																		
3	RT Asset Energy Amount	555.19	(173,470)	\$ (4,177,434.71)	129,871	\$ 3,845,132.24	0	\$ -	0	\$ -																		
4	RT Non-Asset Energy Amount	555.26	(1,191)	\$ (23,567.53)	248	\$ 4,977.35	0	\$ -	0	\$ -																		
5	<b>SUBTOTAL</b>		<b>(4,635,473)</b>	<b>\$ (122,778,602.64)</b>	<b>3,588,873</b>	<b>\$ 98,512,539.42</b>	<b>0</b>	<b>\$ -</b>	<b>370,498</b>	<b>\$ 11,104,101.84</b>																		
<b>Day Ahead &amp; Real Time Energy Loss</b>																												
6	DA FBT Loss Amount	555.04	0	\$ (3,991,755.91)	0	\$ 1,598.86	0	\$ -	0	\$ -																		
7	RT Distribution of Losses Amount	555.24	0	\$ (51,210.12)	0	\$ 1,669,642.28	0	\$ -	0	\$ -																		
8	RT FBT Loss Amount	555.21	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
9	DA Loss Amount		0	\$ (1,684,051.32)	0	\$ -	0	\$ -	0	\$ -																		
10	RT Loss Amount		0	\$ (179,099.36)	0	\$ -	0	\$ -	0	\$ -																		
11	DA Losses Rebate on Option B GFA	555.08	0	\$ (1,001.76)	0	\$ 1,996,082.51	0	\$ -	0	\$ -																		
12	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (5,907,118.47)</b>	<b>0</b>	<b>\$ 3,667,323.65</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>																		
<b>Virtual Energy</b>																												
13	DA Virtual Energy Amount	555.12	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
14	RT Virtual Energy Amount	555.32	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
15	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>																		
<b>Schedules 16 &amp; 17</b>																												
16	DA Mkt Admin Amount	555.01	0	\$ (696,247.00)	0	\$ -	0	\$ (30,720.86)	0	\$ -																		
17	RT Mkt Admin Amount	555.18	0	\$ (57,962.74)	0	\$ 3,214.34	0	\$ (25,933.74)	0	\$ 63.84																		
18	FTR Mkt Admin Amount	555.13	0	\$ (30,845.60)	0	\$ -	0	\$ -	0	\$ -																		
19	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (785,055.34)</b>	<b>0</b>	<b>\$ 3,214.34</b>	<b>0</b>	<b>\$ (56,654.60)</b>	<b>0</b>	<b>\$ 63.84</b>																		
<b>Congestion &amp; FTRs</b>																												
20	DA FBT Congestion Amount	555.03	0	\$ (4,885,420.49)	0	\$ 65,338.66	0	\$ -	0	\$ -																		
21	DA Congestion		0	\$ -	0	\$ (960,894.84)	0	\$ -	0	\$ -																		
22	RT FBT Congestion Amount	555.20	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
23	RT Congestion		0	\$ (101,336.99)	0	\$ -	0	\$ -	0	\$ -																		
24	FTR Hourly Allocation Amount	555.14	0	\$ (1,579,135.90)	0	\$ 1,635,342.35	0	\$ -	0	\$ -																		
25	FTR Monthly Allocation Amount	555.15	0	\$ (24.03)	0	\$ 51,886.42	0	\$ -	0	\$ -																		
26	FTR Yearly Allocation Amount	555.17	0	\$ -	0	\$ 24,769.67	0	\$ -	0	\$ -																		
27	FTR Monthly Transaction Amount	555.35	0	\$ -	0	\$ 114,294.00	0	\$ -	0	\$ -																		
28	FTR Full Funding Guarantee Amount	555.36	0	\$ (73,014.92)	0	\$ 172,112.13	0	\$ -	0	\$ -																		
29	FTR Guarantee Uplift Amount	555.37	0	\$ (173,697.55)	0	\$ 79,271.50	0	\$ -	0	\$ -																		
30	FTR Auction Revenue Rights Transaction Amount	555.39	0	\$ (562,407.60)	0	\$ 857,924.68	0	\$ -	0	\$ -																		
31	FTR Annual Transaction Amount	555.38	0	\$ (857,069.89)	0	\$ 562,043.45	0	\$ -	0	\$ -																		
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0	\$ (33,712.87)	0	\$ 0.33	0	\$ -	0	\$ -																		
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0	\$ (2,194.72)	0	\$ 795,745.18	0	\$ -	0	\$ -																		
34	DA Congestion Rebate on Option B GFA	555.07	0	\$ (82,118.42)	0	\$ 4,902,200.25	0	\$ -	0	\$ -																		
35	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (8,350,133.38)</b>	<b>0</b>	<b>\$ 8,300,033.78</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>																		
<b>RSG &amp; Make Whole Payments</b>																												
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0	\$ (114,373.87)	0	\$ 118.11	0	\$ (12,884.22)	0	\$ 15.12																		
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0	\$ -	0	\$ 77,359.74	0	\$ -	0	\$ 21,837.40																		
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0	\$ (623,662.71)	0	\$ 17,901.52	0	\$ (59,408.07)	0	\$ 1,770.82																		
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0	\$ -	0	\$ -	0	\$ (2,760.05)	0	\$ 284,000.75																		
40	RT Price Volatility Make Whole Payment	555.42	0	\$ (145.32)	0	\$ 372,147.93	0	\$ (27.78)	0	\$ 48,257.96																		
41	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (738,181.90)</b>	<b>0</b>	<b>\$ 467,527.30</b>	<b>0</b>	<b>\$ (75,080.12)</b>	<b>0</b>	<b>\$ 355,882.05</b>																		
<b>RNU &amp; Misc Charges</b>																												
42	RT Misc Amount	555.25	0	\$ (46,258.10)	0	\$ 33,171.89	0	\$ (7,069.96)	0	\$ 1.52																		
43	RT Net Inadvertent Amount	555.27	0	\$ (70,175.04)	0	\$ 92,074.13	0	\$ -	0	\$ -																		
44	RT Revenue Neutrality Uplift Amount	555.28	0	\$ (899,381.25)	0	\$ 168,430.79	0	\$ (95,357.68)	0	\$ 16,260.89																		
45	RT Uninstructed Deviation Amount	555.31	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
46	<b>SUBTOTAL</b>		<b>0</b>	<b>\$ (1,015,814.39)</b>	<b>0</b>	<b>\$ 293,676.81</b>	<b>0</b>	<b>\$ (102,427.64)</b>	<b>0</b>	<b>\$ 16,262.41</b>																		
<b>ASM Charges</b>																												
47	RT ASM Non-Excessive Energy Amount	555.55	(306,697)	\$ (6,998,515.56)	114,027	\$ 2,515,859.40	(95,482)	\$ (2,319,319.85)	206,089	\$ 4,499,971.36																		
48	RT ASM Excessive Energy Amount	555.56	(0)	\$ (7,424.16)	566	\$ 1,198.18	(1)	\$ (3,788.69)	605	\$ 14,466.73																		
49	<b>SUBTOTAL</b>		<b>(306,697)</b>	<b>\$ (7,005,939.72)</b>	<b>114,594</b>	<b>\$ 2,517,057.58</b>	<b>(95,483)</b>	<b>\$ (2,323,108.54)</b>	<b>206,694</b>	<b>\$ 4,514,438.09</b>																		

**Attachment 3 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

**Otter Tail Power Company  
Detail of MISO Day 2 Charges - System  
July 2012 to June 2013 includes any adjustments**

Charge Type Description	(A) Acct	(B) RETAIL				(G) ASSET BASED WHOLESALE				(K) NON ASSET BASED WHOLESALE			
		(C) Cost		(D) MWh		(E) Revenue		(H) Cost		(I) MWh		(L) Revenue	
		MWh		MWh		MWh		MWh		MWh		MWh	
<b>Grandfathered Charge Types</b>													
50	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
51	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
52	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
53	RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	
54	<b>SUBTOTAL</b>		<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	<b>0 \$</b>	<b>-</b>	
55	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>(4,942,170)</b>	<b>\$ (146,580,845.84)</b>	<b>3,703,466</b>	<b>\$ 113,761,372.88</b>			<b>(95,483)</b>	<b>\$ (2,557,270.90)</b>	<b>577,192</b>	<b>\$ 15,990,748.23</b>	
56	Less Schedule 16 & 17 (Lines 13, 14, 15)		\$	(785,055.34)		\$	3,214.34						
57	Congestion and Losses Adjustment		\$	(561,569.63)									
58	No DA generation sch., but had usage for current month		\$	(58,422.82)									
59	MISO RSG Bad Debt		\$	-		\$	-						
60	Total for MN Energy Adjustment Rider		\$	(145,175,798.05)		\$	113,758,158.54						
61	Net Retail for MN Energy Adjustment Rider				\$	(31,417,639.51)							
62	Retail MWh include losses of 2.8%												
<b>ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TRANSACTION</b>													
63	NET MISO (Rev-Cost and MWh) <sup>1</sup>										\$	13,433,477.33	
64	Less: Fuel Cost										481,708	\$	10,513,880.70
65	Less: Misc Cost Adjustment											\$	-
66	Plus: Capacity Revenue												
67	Plus: Bilateral Sales												
68	Less: Bilateral Purchases												
69	Less: Schedule 24 for Asset Based Sales										\$	8,952.90	
70													
71	<b>TOTAL ASSET or NON ASSET BASED WHOLESALE</b>										\$	<b>2,910,643.73</b>	
<sup>1</sup> Schedule 24 Costs and Revenues are not included in this calculation prior to October 2011													
... TRADE SECRET DATA ENDS]													

OTTER TAIL POWER COMPANY  
ESTIMATE OF MINNESOTA'S SHARE OF  
MISO CHARGE TYPES

<b>Charge Type Description</b>		<b>System - Retail July 12 - June 13</b>	<b>Minnesota - Retail July 12 - June 13</b>
<b>No. Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>			
1	DA Asset Energy Amount	\$ 17,767,826.72	\$ 8,556,505.69
2	DA FBT Loss Amount	\$ 3,990,157.05	\$ 1,921,551.92
3	DA Non-asset Energy Amount	\$ 6,147,343.85	\$ 2,960,394.84
4	RT Asset Energy Amount	\$ 332,302.47	\$ 160,027.90
5	RT Distribution of Losses Amount	\$ (1,618,432.16)	\$ (779,393.24)
6	RT FBT Loss Amount	\$ -	\$ -
7	DA Loss Amount	\$ 1,684,051.32	\$ 810,993.65
8	RT Loss Amount	\$ 179,099.36	\$ 86,249.42
9	RT Non-Asset Energy Amount	\$ 18,590.18	\$ 8,952.53
10	DA Losses Rebate on Option B GFA	\$ (1,995,080.75)	\$ (960,777.03)
<b>Virtual Energy</b>			
11	DA Virtual Energy Amount	\$ -	\$ -
12	RT Virtual Energy Amount	\$ -	\$ -
<b>Schedules 16 &amp; 17</b>			
13	DA Mkt Admin Amount	\$ 696,247.00	\$ 335,293.76
14	RT Mkt Admin Amount	\$ 54,748.40	\$ 26,365.35
15	FTR Mkt Admin Amount	\$ 30,845.60	\$ 14,854.41
<b>Congest &amp; FTRs</b>			
16	DA FBT Congestion Amount	\$ 4,820,081.83	\$ 2,321,221.29
17	DA Congestion	\$ 960,894.84	\$ 462,741.01
18	RT FBT Congestion Amount	\$ -	\$ -
19	RT Congestion	\$ 101,336.99	\$ 48,801.16
20	FTR Hourly Allocation Amount	\$ (56,206.45)	\$ (27,067.51)
21	FTR Monthly Allocation Amount	\$ (51,862.39)	\$ (24,975.53)
22	FTR Yearly Allocation Amount	\$ (24,769.67)	\$ (11,928.40)
23	FTR Monthly Transaction Amount	\$ (114,294.00)	\$ (55,040.90)
24	FTR Full Funding Guarantee Amount	\$ (99,097.21)	\$ (47,722.54)
25	FTR Guarantee Uplift Amount	\$ 94,426.05	\$ 45,473.04
26	FTR Auction Revenue Rights Transaction Amount	\$ (295,517.08)	\$ (142,313.05)
27	FTR Annual Transaction Amount	\$ 295,026.44	\$ 142,076.77
28	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 33,712.54	\$ 16,235.05
29	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (793,550.46)	\$ (382,152.48)
30	DA Congestion Rebate on Option B GFA	\$ (4,820,081.83)	\$ (2,321,221.29)
<b>RSG &amp; Make Whole Payments</b>			
31	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 114,255.76	\$ 55,022.49
32	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (77,359.74)	\$ (37,254.36)
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 605,761.19	\$ 291,718.24
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ -	\$ -
35	RT Price Volatility Make Whole Payment	\$ (372,002.61)	\$ (179,146.41)
<b>Revenue Neutrality Uplift</b>			
36	RT Revenue Neutrality Uplift Amount	\$ 730,950.46	\$ 352,006.01
<b>Other Charges</b>			
37	RT Misc Amount	\$ 13,086.21	\$ 6,301.97
38	RT Net Inadvertent Amount	\$ (21,899.09)	\$ (10,546.01)
39	RT Uninstructed Deviation Amount	\$ -	\$ -
<b>ASM Charges</b>			
40	RT ASM Non-Excessive Energy Amount	\$ 4,482,656.16	\$ 2,158,726.19
41	RT ASM Excessive Energy Amount	\$ 6,225.98	\$ 2,998.26
<b>Grandfathered Charge Types</b>			
42	DA Congestion Rebate on COGA	\$ -	\$ -
43	DA Losses Rebate on COGA	\$ -	\$ -
44	RT Congestion Rebate on COGA	\$ -	\$ -
45	RT Loss Rebate on COGA	\$ -	\$ -
46	<b>TOTAL CHARGES</b>	<b>\$ 32,819,472.96</b>	<b>\$ 15,804,972.18</b>
47	Less Schedule 16 & 17 (Lines 10, 11, 12)	\$ (781,841.00)	
48	Congestion and Losses Adjustment	\$ (561,569.63)	
49	No DA generation sch., but still had output	\$ (58,422.82)	
50	MISO RSG Bad Debt	\$ -	
51			

Percent of Minnesota Sales to System (2,121,468,276 / 4,405,289,041) = 0.481573004

Fuel Costs Allocated to Minnesota (\$103,883,299) x 0.481573004 = \$50,027,393

**Attachment 4 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Minnesota Docket No. E999/AA-13-599  
Attachment I-1 to 2012/2013 Annual Automatic Adjustment of Charges Report  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED  
Page 1 of 13

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System July 2012 includes any adjustment:										
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss	Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**
			Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail
... TRADE SECRET DATA BEGINS ...										
1	DA Asset Energy Amount	555.02	\$ 12,209,263.20	\$ (11,546,392.55)	\$ -	\$ 662,870.65				353,510 (335,382)
2	DA FBT Loss Amount	555.04	\$ 595,581.66	\$ -	\$ -	\$ 595,581.66				-
3	DA Non-asset Energy Amount	555.09	\$ 729,570.18	\$ (145,011.37)	\$ -	\$ 584,558.81				22,070 (4,244)
4	RT Asset Energy Amount	555.19	\$ 122,329.55	\$ (301,076.36)	\$ 93,499.57	\$ (85,247.24)				4,626 (5,700)
5	RT Distribution of Losses Amount	555.24	\$ 334.47	\$ (121,652.00)	\$ (1,603.70)	\$ (122,921.23)				-
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -				-
7	DA Loss Amount		\$ 94,024.05	\$ -	\$ -	\$ 94,024.05				-
8	RT Loss Amount		\$ 13,974.90	\$ -	\$ -	\$ 13,974.90				-
9	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -				-
10	DA Losses Rebate on Option B GFA	555.08	\$ 202.34	\$ (297,993.20)	\$ -	\$ (297,790.86)				-
11	<b>TOTAL</b>		\$ 13,765,280.35	\$ (12,412,125.48)	\$ 91,895.87	\$ 1,445,050.74				380,206 (345,326)
<b>Virtual Energy</b>										
12	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -				-
13	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -				-
14	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -				-
<b>Schedules 16 &amp; 17</b>										
15	DA Mkt Admin Amount	555.01	\$ 46,257.31	\$ -	\$ -	\$ 46,257.31				-
16	RT Mkt Admin Amount	555.18	\$ 2,968.52	\$ -	\$ (120.04)	\$ 2,748.48				-
17	FTR Mkt Admin Amount	555.13	\$ 2,921.05	\$ -	\$ -	\$ 2,921.05				-
18	<b>TOTAL</b>		\$ 52,046.88	\$ -	\$ (120.04)	\$ 51,926.84				-
<b>Congest &amp; FTRs</b>										
19	DA FBT Congestion Amount	555.03	\$ 665,877.11	\$ (11,451.88)	\$ -	\$ 654,425.23				-
20	DA Congestion		\$ -	\$ 189,327.90	\$ -	\$ 189,327.90				-
21	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -				-
22	RT Congestion		\$ 20,753.13	\$ -	\$ -	\$ 20,753.13				-
23	FTR Hourly Allocation Amount	555.14	\$ 33,259.70	\$ (145,786.23)	\$ 0.79	\$ (112,525.74)				-
24	FTR Monthly Allocation Amount	555.15	\$ -	\$ (1,124.87)	\$ -	\$ (1,124.87)				-
25	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -				-
26	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -				-
27	FTR Full Funding Guarantee Amount	555.36	\$ 1,061.64	\$ (3,594.26)	\$ (0.79)	\$ (2,533.41)				-
28	FTR Guarantee Uplift Amount	555.37	\$ 4,932.71	\$ -	\$ 0.79	\$ 4,933.50				-
29	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 26,821.97	\$ (8,846.91)	\$ -	\$ 17,975.06				-
30	FTR Annual Transaction Amount	555.38	\$ 8,846.87	\$ (26,821.94)	\$ -	\$ (17,975.07)				-
31	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 347.10	\$ -	\$ -	\$ 347.10				-
32	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (63,883.06)	\$ -	\$ (63,883.06)				-
33	DA Congestion Rebate on Option B GFA	555.07	\$ 24,844.04	\$ (679,269.27)	\$ -	\$ (654,425.23)				-
34	<b>TOTAL</b>		\$ 786,744.27	\$ (751,450.52)	\$ 0.79	\$ 35,294.54				-
<b>RSG &amp; Make Whole Payments</b>										
35	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 14,940.24	\$ -	\$ -	\$ 14,940.24				-
36	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ (38,928.05)	\$ -	\$ (38,928.05)				-
37	RT Revenue Sufficiency Guarantee First Pass Distribution Amo	555.29	\$ 79,079.86	\$ -	\$ (480.86)	\$ 78,599.00				-
38	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -				-
39	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ (31,406.86)	\$ -	\$ (31,406.86)				-
40	<b>TOTAL</b>		\$ 94,020.10	\$ (70,334.91)	\$ (480.86)	\$ 23,204.33				-
<b>Revenue Neutrality Uplift</b>										
41	RT Revenue Neutrality Uplift Amount	555.28	\$ 52,496.12	\$ (11,811.54)	\$ 1,490.97	\$ 42,175.55				-
42	<b>TOTAL</b>		\$ 52,496.12	\$ (11,811.54)	\$ 1,490.97	\$ 42,175.55				-
<b>Other Charges</b>										
43	RT Misc Amount	555.25	\$ -	\$ -	\$ (1,055.61)	\$ (1,055.61)				-
44	RT Net Inadvertent Amount	555.27	\$ 1,800.95	\$ (3,814.23)	\$ (430.30)	\$ (2,443.58)				-
45	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -				-
46	<b>TOTAL</b>		\$ 1,800.95	\$ (3,814.23)	\$ (1,485.91)	\$ (3,499.19)				-
<b>ASM Charges</b>										
47	RT ASM Non-Excessive Energy Amount	555.55	\$ 631,102.94	\$ (227,264.75)	\$ -	\$ 403,838.19				19,194 (8,627)
48	RT ASM Excessive Energy Amount	555.56	\$ -	\$ (215.51)	\$ -	\$ (215.51)				(19)
49	<b>TOTAL</b>		\$ 631,102.94	\$ (227,480.26)	\$ -	\$ 403,622.68				19,194 (8,645)
<b>Grandfathered Charge Types</b>										
50	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -				-
51	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -				-
52	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -				-
53	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -				-
54	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -				-
... TRADE SECRET DATA ENDS ...										
55	<b>TOTAL MISO DAY 2 CHARGES</b>		\$ 15,383,491.61	\$ (13,477,016.94)	\$ 91,300.82	\$ 1,997,775.49	\$ (1,079,899.85)	\$ 917,875.64		399,400 (353,971)
56	Less Schedule 16 & 17 (Lines 1, 13, 18 Congestion and Losses Adjustment)		\$ (52,046.88)	\$ -	\$ -	\$ 120.04	\$ (51,926.84)			-
57	No DA generation sch., but still had output for current mont		\$ -	\$ -	\$ (44,673.40)	\$ (44,673.40)				-
58	MISO RSG Bad Debt		\$ -	\$ -	\$ (411.04)	\$ (411.04)				-
59	<b>TOTAL FOR MN COST OF ENERGY ADJUSTMENT</b>		\$ 15,331,444.73	\$ (13,477,016.94)	\$ 46,336.42	\$ 1,900,764.21				-
61	Net MISO Charges for Retail = (B) + (C) + (D)		\$ -	\$ 1,900,764.21	\$ -	\$ -				-
62	Net KWH for retail = ((G) + (H)) * 1,000		\$ -	\$ -	\$ 45,428,804	\$ -				45,428,804
63	July 2013 covers time period of 06/21/2013 -- 07/22/2013 ** increased for losses of 2.8%									-
64										-
65	<b>MISO Book Totals</b>		\$ 1,854,427.79	\$ 45,428,804	\$ -	\$ -				-
66	Congestion and Losses Adjustmen		\$ (44,673.40)	\$ -	\$ -	\$ -				-
67	MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -				-
68	July Adjustments		\$ 91,009.82	\$ 4,413,469	\$ -	\$ -				-
69	<b>Total MISO</b>		\$ 1,900,764.21	\$ 49,842,274	\$ -	\$ -				-
... TRADE SECRET DATA ENDS ...										

**Attachment 4 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System August 2012 includes any adjustment									
No.	Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail
[TRADE SECRET DATA BEGINS . . .]									
1	DA Asset Energy Amount	555.02	\$ 9,696,094.92	\$ (8,789,242.99)	\$ -	\$ 906,851.93			324,854 (302,457)
2	DA FBT Loss Amount	555.04	\$ 357,604.07	\$ -	\$ -	\$ 357,604.07			-
3	DA Non-asset Energy Amount	555.09	\$ 544,202.26	\$ (117,820.51)	\$ -	\$ 426,381.75			19,643 (4,276)
4	RT Asset Energy Amount	555.19	\$ 4,000.59	\$ (499,857.57)	\$ 73,811.03	\$ (422,045.95)			2,207 (20,737)
5	RT Distribution of Losses Amount	555.24	\$ 365.38	\$ (101,854.69)	\$ (3,333.32)	\$ (104,822.63)			-
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -			-
7	DA Loss Amount		\$ 48,915.09	\$ -	\$ -	\$ 48,915.09			-
8	RT Loss Amount		\$ 20,344.94	\$ -	\$ -	\$ 20,344.94			-
9	RT Non-Asset Energy Amount	555.26	\$ 22,221.51	\$ -	\$ -	\$ 22,221.51			1,100
10	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ (178,802.11)	\$ -	\$ (178,802.11)			-
11	<b>TOTAL</b>		<b>\$ 10,693,748.76</b>	<b>\$ (9,687,577.87)</b>	<b>\$ 70,477.71</b>	<b>\$ 1,076,648.60</b>			<b>347,805 (327,471)</b>
<b>Virtual Energy</b>									
12	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -			-
13	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -			-
14	<b>TOTAL</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>			<b>-</b>
<b>Schedules 16 &amp; 17</b>									
15	DA Mkt Admin Amount	555.01	\$ 37,022.50	\$ -	\$ -	\$ 37,022.50			-
16	RT Mkt Admin Amount	555.18	\$ 3,131.55	\$ -	\$ 33.74	\$ 3,165.29			-
17	FTR Mkt Admin Amount	555.13	\$ 2,166.19	\$ -	\$ -	\$ 2,166.19			-
18	<b>TOTAL</b>		<b>\$ 42,320.24</b>	<b>\$ -</b>	<b>\$ 33.74</b>	<b>\$ 42,353.98</b>			<b>-</b>
<b>Congest &amp; FTRs</b>									
19	DA FBT Congestion Amount	555.03	\$ 841,757.53	\$ (4,277.25)	\$ -	\$ 837,480.28			-
20	DA Congestion		\$ -	\$ 134,794.05	\$ -	\$ 134,794.05			-
21	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -			-
22	RT Congestion		\$ 29,122.91	\$ -	\$ -	\$ 29,122.91			-
23	FTR Hourly Allocation Amount	555.14	\$ 26,328.77	\$ (215,487.37)	\$ 0.80	\$ (189,157.80)			-
24	FTR Monthly Allocation Amount	555.15	\$ -	\$ (1,166.41)	\$ 0.31	\$ (1,166.10)			-
25	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -			-
26	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -			-
27	FTR Full Funding Guarantee Amount	555.36	\$ 1,030.60	\$ (9,219.79)	\$ (1.11)	\$ (8,190.30)			-
28	FTR Guarantee Uplift Amount	555.37	\$ 9,219.79	\$ (1,030.60)	\$ 2.87	\$ 8,192.06			-
29	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 26,821.96	\$ (8,846.90)	\$ -	\$ 17,975.06			-
30	FTR Annual Transaction Amount	555.38	\$ 8,846.87	\$ (26,821.94)	\$ -	\$ (17,975.07)			-
31	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 347.10	\$ -	\$ -	\$ 347.10			-
32	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (63,883.06)	\$ 150.90	\$ (63,732.16)			-
33	DA Congestion Rebate on Option B GFA	555.07	\$ 5,114.28	\$ (842,594.56)	\$ -	\$ (837,480.28)			-
34	<b>TOTAL</b>		<b>\$ 948,589.81</b>	<b>\$ (1,038,533.83)</b>	<b>\$ 153.77</b>	<b>\$ (89,790.25)</b>			<b>-</b>
<b>RSG &amp; Make Whole Payments</b>									
35	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 6,926.88	\$ -	\$ -	\$ 6,926.88			-
36	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ (14,592.54)	\$ -	\$ (14,592.54)			-
37	RT Revenue Sufficiency Guarantee First Pass Distribution Amo	555.29	\$ 19,765.62	\$ -	\$ (1,413.02)	\$ 18,352.60			-
38	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -			-
39	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ (38,279.32)	\$ 135.64	\$ (38,143.68)			-
40	<b>TOTAL</b>		<b>\$ 26,692.50</b>	<b>\$ (52,871.86)</b>	<b>\$ (1,277.38)</b>	<b>\$ (27,456.74)</b>			<b>-</b>
<b>Revenue Neutrality Uplift</b>									
41	RT Revenue Neutrality Uplift Amount	555.28	\$ 35,005.68	\$ (1,370.74)	\$ 4,216.84	\$ 37,851.78			-
42	<b>TOTAL</b>		<b>\$ 35,005.68</b>	<b>\$ (1,370.74)</b>	<b>\$ 4,216.84</b>	<b>\$ 37,851.78</b>			<b>-</b>
<b>Other Charges</b>									
43	RT Misc Amount	555.25	\$ -	\$ -	\$ 0.13	\$ 0.13			-
44	RT Net Inadvertent Amount	555.27	\$ 2,472.91	\$ (7,669.02)	\$ (1,887.52)	\$ (7,083.63)			-
45	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -			-
46	<b>TOTAL</b>		<b>\$ 2,472.91</b>	<b>\$ (7,669.02)</b>	<b>\$ (1,887.39)</b>	<b>\$ (7,083.50)</b>			<b>-</b>
<b>ASM Charges</b>									
47	RT ASM Non-Excessive Energy Amount	555.55	\$ 601,669.04	\$ (236,536.86)	\$ 11,371.71	\$ 376,503.89			19,825 (10,226)
48	RT ASM Excessive Energy Amount	555.56	\$ -	\$ (7.87)	\$ -	\$ (7.87)			- (2)
49	<b>TOTAL</b>		<b>\$ 601,669.04</b>	<b>\$ (236,544.73)</b>	<b>\$ 11,371.71</b>	<b>\$ 376,496.02</b>			<b>19,825 (10,227)</b>
<b>Grandfathered Charge Types</b>									
50	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -			-
51	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -			-
52	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -			-
53	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -			-
54	<b>TOTAL</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>			<b>-</b>
[TRADE SECRET DATA ENDS]									
55	<b>TOTAL MISO DAY 2 CHARGES</b>		<b>\$ 12,350,498.94</b>	<b>\$ (11,024,568.05)</b>	<b>\$ 83,089.00</b>	<b>\$ 1,409,019.89</b>	<b>\$ (1,545,511.51)</b>	<b>\$ (136,491.62)</b>	<b>367,630 (337,698)</b>
56	Less Schedule 16 & 17 (Lines 1, 13, 18		\$ (42,320.24)	\$ -	\$ (33.74)	\$ (42,353.98)			-
57	Congestion and Losses Adjustmen		\$ -	\$ -	\$ 13,949.08	\$ 13,949.08			-
58	No DA generation sch., but still had output for current mont		\$ -	\$ -	\$ (24,982.32)	\$ (24,982.32)			-
59	MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -			-
60	<b>TOTAL FOR MN COST OF ENERGY ADJUSTMENT</b>		<b>\$ 12,308,178.70</b>	<b>\$ (11,024,568.05)</b>	<b>\$ 72,022.02</b>	<b>\$ 1,355,632.67</b>			
61	Net MISO Charges for Retail = (B) + (C) + (D)			\$ 1,355,632.67					
62	Net KWH for retail = ((G) + (H)) * 1,000			29,932.053					29,932,053
63	August 2012 covers time period of 07/24/2012 -- 08/23/2012 ** increased for losses of 2.8%								
64									
65	<b>MISO Book Totals</b>				<b>Net Retail</b>	<b>Net MISO KWH</b>			
66	Congestion and Losses Adjustmen				\$ 1,283,610.65	29,932.053			
67	MISO RSG Bad Debt				\$ 13,949.08				
68	August Adjustments				\$ 58,072.94	3,842.571			
69	<b>Total MISO</b>		<b>\$ 1,355,632.67</b>		<b>\$ 33,774.624</b>				
[TRADE SECRET DATA ENDS]									

**Attachment 4 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Minnesota Docket No. E999/AA-13-599  
Attachment I-1 to 2012/2013 Annual Automatic Adjustment of Charges Report  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED  
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Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System September 2012 includes any adjustments									
No.	Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail
[TRADE SECRET DATA BEGINS . . .]									
1	DA Asset Energy Amount	555.02	\$ 6,058,815.04	\$ (5,704,568.46)	\$ -	\$ 354,246.58			271,977 (258,346)
2	DA FBT Loss Amount	555.04	\$ 238,007.70	\$ -	\$ -	\$ 238,007.70			-
3	DA Non-asset Energy Amount	555.09	\$ 347,689.41	\$ (73,954.14)	\$ -	\$ 273,735.27			17,645 (3,754)
4	RT Asset Energy Amount	555.19	\$ 60,250.04	\$ (99,925.45)	\$ 106,701.31	\$ 67,025.90			2,581 (3,990)
5	RT Distribution of Losses Amount	555.24	\$ 1,757.98	\$ (69,809.92)	\$ (1,303.56)	\$ (69,355.50)			-
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -			-
7	DA Loss Amount		\$ 110,566.48	\$ -	\$ -	\$ 110,566.48			-
8	RT Loss Amount		\$ 19,309.11	\$ -	\$ -	\$ 19,309.11			-
9	RT Non-Asset Energy Amount	555.26	\$ 47.31	\$ -	\$ -	\$ 47.31			5
10	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ (119,003.84)	\$ -	\$ (119,003.84)			-
11	<b>TOTAL</b>		\$ <b>6,836,443.07</b>	\$ <b>(6,067,261.81)</b>	\$ <b>105,397.75</b>	\$ <b>874,579.01</b>			<b>292,208 (266,090)</b>
<b>Virtual Energy</b>									
12	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -			-
13	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -			-
14	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -			-
<b>Schedules 16 &amp; 17</b>									
15	DA Mkt Admin Amount	555.01	\$ 39,751.44	\$ -	\$ -	\$ 39,751.44			-
16	RT Mkt Admin Amount	555.18	\$ 2,702.52	\$ -	\$ (144.37)	\$ 2,558.15			-
17	FTR Mkt Admin Amount	555.13	\$ 1,575.59	\$ -	\$ -	\$ 1,575.59			-
18	<b>TOTAL</b>		\$ <b>44,029.55</b>	\$ -	\$ <b>(144.37)</b>	\$ <b>43,885.18</b>			-
<b>Congest &amp; FTRs</b>									
19	DA FBT Congestion Amount	555.03	\$ 727,034.05	\$ (2,109.21)	\$ -	\$ 724,924.84			-
20	DA Congestion		\$ -	\$ 135,574.26	\$ -	\$ 135,574.26			-
21	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -			-
22	RT Congestion		\$ (634.81)	\$ -	\$ -	\$ (634.81)			-
23	FTR Hourly Allocation Amount	555.14	\$ 48,374.92	\$ (164,890.73)	\$ (0.77)	\$ (116,516.58)			-
24	FTR Monthly Allocation Amount	555.15	\$ -	\$ (26,694.56)	\$ 0.77	\$ (26,693.79)			-
25	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -			-
26	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -			-
27	FTR Full Funding Guarantee Amount	555.36	\$ 25,023.82	\$ (32,292.53)	\$ -	\$ (7,268.71)			-
28	FTR Guarantee Uplift Amount	555.37	\$ 32,292.53	\$ (28,835.40)	\$ -	\$ 3,457.13			-
29	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 30,405.85	\$ (12,939.62)	\$ -	\$ 17,466.23			-
30	FTR Annual Transaction Amount	555.38	\$ 12,835.95	\$ (30,400.14)	\$ -	\$ (17,564.19)			-
31	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 3,953.85	\$ -	\$ -	\$ 3,953.85			-
32	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (74,677.05)	\$ -	\$ (74,677.05)			-
33	DA Congestion Rebate on Option B GFA	555.07	\$ 4,659.96	\$ (729,584.80)	\$ -	\$ (724,924.84)			-
34	<b>TOTAL</b>		\$ <b>883,946.12</b>	\$ <b>(966,849.78)</b>	\$ -	\$ <b>(82,903.66)</b>			-
<b>RSG &amp; Make Whole Payments</b>									
35	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 5,592.60	\$ -	\$ (77.43)	\$ 5,515.17			-
36	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ -	\$ -	\$ -			-
37	RT Revenue Sufficiency Guarantee First Pass Distribution Amo	555.29	\$ 15,039.51	\$ -	\$ (911.78)	\$ 14,127.73			-
38	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -			-
39	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ (40,795.31)	\$ (138.28)	\$ (40,933.59)			-
40	<b>TOTAL</b>		\$ <b>20,632.11</b>	\$ <b>(40,795.31)</b>	\$ <b>(1,127.49)</b>	\$ <b>(21,290.69)</b>			-
<b>Revenue Neutrality Uplift</b>									
41	RT Revenue Neutrality Uplift Amount	555.28	\$ 41,843.05	\$ (12,281.88)	\$ 1,004.35	\$ 30,565.52			-
42	<b>TOTAL</b>		\$ <b>41,843.05</b>	\$ <b>(12,281.88)</b>	\$ <b>1,004.35</b>	\$ <b>30,565.52</b>			-
<b>Other Charges</b>									
43	RT Misc Amount	555.25	\$ -	\$ (9,351.76)	\$ 542.54	\$ (8,809.22)			-
44	RT Net Inadvertent Amount	555.27	\$ 3,777.17	\$ (4,216.81)	\$ 381.00	\$ (58.64)			-
45	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -			-
46	<b>TOTAL</b>		\$ <b>3,777.17</b>	\$ <b>(13,568.57)</b>	\$ <b>923.54</b>	\$ <b>(8,867.86)</b>			-
<b>ASM Charges</b>									
47	RT ASM Non-Excessive Energy Amount	555.55	\$ 273,221.59	\$ (171,118.45)	\$ (11,371.71)	\$ 90,731.43			14,539 (10,439)
48	RT ASM Excessive Energy Amount	555.56	\$ 35.20	\$ (2.23)	\$ -	\$ 32.97			(7)
49	<b>TOTAL</b>		\$ <b>273,256.79</b>	\$ <b>(171,120.68)</b>	\$ <b>(11,371.71)</b>	\$ <b>90,764.40</b>			<b>14,539 (10,446)</b>
<b>Grandfathered Charge Types</b>									
50	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -			-
51	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -			-
52	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -			-
53	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -			-
54	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -			-
[TRADE SECRET DATA ENDS]									
55	<b>TOTAL MISO DAY 2 CHARGES</b>		\$ <b>8,103,927.86</b>	\$ <b>(7,271,878.03)</b>	\$ <b>94,682.07</b>	\$ <b>926,731.90</b>	\$ <b>(1,400,121.44)</b>	\$ <b>(473,389.54)</b>	<b>306,746 (276,536)</b>
56	Less Schedule 16 & 17 (Lines 1, 13, 18		\$ (44,029.55)	\$ -	\$ -	\$ 144.37	\$ (43,885.18)		
57	Congestion and Losses Adjustmen		\$ -	\$ -	\$ (51,866.65)	\$ (51,866.65)			
58	No DA generation sch., but still had output for current mont		\$ -	\$ -	\$ -	\$ -			
59	MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -			
60	<b>TOTAL FOR MN COST OF ENERGY ADJUSTMENT</b>		\$ <b>8,059,898.31</b>	\$ <b>(7,271,878.03)</b>	\$ <b>42,959.79</b>	\$ <b>830,980.07</b>			
61	Net MISO Charges for Retail = (B) + (C) + (D)		\$ -	\$ <b>830,980.07</b>					
62	Net KWH for retail = ((G) + (H)) * 1,000				30,210,168				<b>30,210,168</b>
63	September 2012 covers time period of 08/24/2012 -- 09/20/2012 ** increased for losses of 2.8%								
64									
65	<b>MISO Book Totals</b>		\$ <b>788,020.28</b>	\$ <b>30,210,168</b>					
66	Congestion and Losses Adjustmen		\$ (51,866.65)						
67	MISO RSG Bad Debt		\$ -						
68	August Adjustments		\$ 94,826.44	\$ 3,303,773					
69	<b>Total MISO</b>		\$ <b>830,980.07</b>	\$ <b>33,513,941</b>					
[TRADE SECRET DATA ENDS]									

**Attachment 4 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System October 2012 includes any adjustments									
No.	Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail
[TRADE SECRET DATA BEGINS . . .]									
1	DA Asset Energy Amount	555.02	\$ 5,962,351.80	\$ (5,750,061.26)	\$ -	\$ 202,290.54			315,051 (299,228)
2	DA FBT Loss Amount	555.04	\$ 256,501.75	\$ -	\$ -	\$ 256,501.75			-
3	DA Non-asset Energy Amount	555.09	\$ 375,764.90	\$ -	\$ -	\$ 375,764.90			21,596 -
4	RT Asset Energy Amount	555.19	\$ 531,684.55	\$ (28,509.38)	\$ 180,053.29	\$ 683,228.46			27,775 (1,806)
5	RT Distribution of Losses Amount	555.24	\$ 471.31	\$ (87,090.06)	\$ (5,808.41)	\$ (92,427.16)			-
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -			-
7	DA Loss Amount		\$ 194,888.35	\$ -	\$ -	\$ 194,888.35			-
8	RT Loss Amount		\$ 29,404.85	\$ -	\$ -	\$ 29,404.85			-
9	RT Non-Asset Energy Amount	555.26	\$ 199.34	\$ -	\$ -	\$ 199.34			22 -
10	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ (128,250.96)	\$ -	\$ (128,250.96)			-
11	<b>TOTAL</b>		\$ 7,341,266.85	\$ (5,993,911.66)	\$ 174,244.88	\$ 1,521,600.07			364,444 (301,034)
<b>Virtual Energy</b>									
12	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -			-
13	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -			-
14	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -			-
<b>Schedules 16 &amp; 17</b>									
15	DA Mkt Admin Amount	555.01	\$ 54,379.34	\$ -	\$ -	\$ 54,379.34			-
16	RT Mkt Admin Amount	555.18	\$ 6,009.81	\$ -	\$ (437.93)	\$ 5,571.88			-
17	FTR Mkt Admin Amount	555.13	\$ 2,195.69	\$ -	\$ -	\$ 2,195.69			-
18	<b>TOTAL</b>		\$ 62,584.84	\$ -	\$ (437.93)	\$ 62,146.91			-
<b>Congest &amp; FTRs</b>									
19	DA FBT Congestion Amount	555.03	\$ 152,256.15	\$ (3,658.04)	\$ -	\$ 148,598.11			-
20	DA Congestion		\$ -	\$ (19,996.11)	\$ -	\$ (19,996.11)			-
21	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -			-
22	RT Congestion		\$ (6,601.24)	\$ -	\$ -	\$ (6,601.24)			-
23	FTR Hourly Allocation Amount	555.14	\$ 156,022.03	\$ (45,409.07)	\$ -	\$ 110,612.96			-
24	FTR Monthly Allocation Amount	555.15	\$ -	\$ (1,342.99)	\$ -	\$ (1,342.99)			-
25	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -			-
26	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -			-
27	FTR Full Funding Guarantee Amount	555.36	\$ 1,342.65	\$ (4,403.63)	\$ -	\$ (3,060.98)			-
28	FTR Guarantee Uplift Amount	555.37	\$ 4,403.63	\$ (1,436.64)	\$ -	\$ 2,966.99			-
29	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 30,405.85	\$ (12,939.62)	\$ -	\$ 17,466.23			-
30	FTR Annual Transaction Amount	555.38	\$ 12,835.95	\$ (30,400.14)	\$ -	\$ (17,564.19)			-
31	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 3,953.85	\$ -	\$ -	\$ 3,953.85			-
32	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (74,585.63)	\$ -	\$ (74,585.63)			-
33	DA Congestion Rebate on Option B GFA	555.07	\$ 3,658.04	\$ (152,256.15)	\$ -	\$ (148,598.11)			-
34	<b>TOTAL</b>		\$ 358,276.91	\$ (346,428.02)	\$ -	\$ 11,848.89			-
<b>RSG &amp; Make Whole Payments</b>									
35	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 9,654.25	\$ -	\$ -	\$ 9,654.25			-
36	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ (4,888.01)	\$ -	\$ (4,888.01)			-
37	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 16,035.74	\$ -	\$ 512.87	\$ 16,548.61			-
38	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -			-
39	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ (29,018.55)	\$ -	\$ (29,018.55)			-
40	<b>TOTAL</b>		\$ 25,689.99	\$ (33,906.56)	\$ 512.87	\$ (7,703.70)			-
<b>Revenue Neutrality Uplift</b>									
41	RT Revenue Neutrality Uplift Amount	555.28	\$ 54,121.10	\$ (8,274.73)	\$ 3,013.47	\$ 48,859.84			-
42	<b>TOTAL</b>		\$ 54,121.10	\$ (8,274.73)	\$ 3,013.47	\$ 48,859.84			-
<b>Other Charges</b>									
43	RT Misc Amount	555.25	\$ -	\$ -	\$ -	\$ -			-
44	RT Net Inadvertent Amount	555.27	\$ 841.95	\$ (2,697.84)	\$ (2,212.05)	\$ (4,067.94)			-
45	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -			-
46	<b>TOTAL</b>		\$ 841.95	\$ (2,697.84)	\$ (2,212.05)	\$ (4,067.94)			-
<b>ASM Charges</b>									
47	RT ASM Non-Excessive Energy Amount	555.55	\$ 415,675.58	\$ (205,658.36)	\$ -	\$ 210,017.22			25,079 (13,534)
48	RT ASM Excessive Energy Amount	555.56	\$ 719.25	\$ -	\$ -	\$ 719.25			(40)
49	<b>TOTAL</b>		\$ 416,394.83	\$ (205,658.36)	\$ -	\$ 210,736.47			25,079 (13,574)
<b>Grandfathered Charge Types</b>									
50	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -			-
51	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -			-
52	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -			-
53	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -			-
54	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -			-
[TRADE SECRET DATA ENDS]									
55	<b>TOTAL MISO DAY 2 CHARGES</b>		\$ 8,259,176.47	\$ (6,590,877.17)	\$ 175,121.24	\$ 1,843,420.54	\$ (1,587,661.27)	\$ 255,759.27	389,523 (314,608)
56	Less Schedule 16 & 17 (Lines 1, 13, 18)		\$ (62,584.84)	\$ -	\$ -	\$ 437.93	\$ (62,146.91)		-
57	Congestion and Losses Adjustment		\$ -	\$ -	\$ (204,104.40)	\$ (204,104.40)			-
58	No DA generation sch., but still had output for current month		\$ -	\$ -	\$ -	\$ -			-
59	MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -			-
60	<b>TOTAL FOR MN COST OF ENERGY ADJUSTMENT</b>		\$ 8,196,591.63	\$ (6,590,877.17)	\$ (28,545.23)	\$ 1,577,169.23			-
61	Net MISO Charges for Retail = (B) + (C) + (D)			\$ 1,577,169.23					74,914,582
62	Net KWH for retail = ((G) + (H)) * 1,000			74,914,582					74,914,582
63	October 2012 covers time period of 09/21/2012 -- 10/23/2012 ** increased for losses of 2.8%								
64									
65	<b>MISO Book Totals</b>		\$ 1,605,714.46	\$ 74,914,582					
66	Congestion and Losses Adjustment		\$ (204,104.40)						
67	MISO RSG Bad Debt		\$ -						
68	October Adjustments		\$ 175,559.17	\$ 9,263.656					
69	<b>Total MISO</b>		\$ 1,577,169.23	\$ 84,178,238					
[TRADE SECRET DATA ENDS]									



**Attachment 4 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System November 2012 includes any adjustments									
No.	Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail
... TRADE SECRET DATA BEGINS ...									
1	DA Asset Energy Amount	555.02	\$ 7,642,875.85	\$ (6,893,037.95)	\$ -	\$ 749,837.90			336,967 (302,320)
2	DA FBT Loss Amount	555.04	\$ 324,477.72	\$ -	\$ -	\$ 324,477.72			-
3	DA Non-asset Energy Amount	555.09	\$ 505,369.72	\$ -	\$ -	\$ 505,369.72			27,132 -
4	RT Asset Energy Amount	555.19	\$ 273,859.48	\$ (114,405.48)	\$ (4,188.12)	\$ 155,265.88			13,391 (5,592)
5	RT Distribution of Losses Amount	555.24	\$ 4,578.15	\$ (93,574.14)	\$ 136.02	\$ (88,859.97)			-
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -			-
7	DA Loss Amount		\$ 162,601.47	\$ -	\$ -	\$ 162,601.47			-
8	RT Loss Amount		\$ 12,565.96	\$ -	\$ -	\$ 12,565.96			-
9	RT Non-Asset Energy Amount	555.26	\$ 217.31	\$ -	\$ -	\$ 217.31			11 -
10	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ (162,238.79)	\$ -	\$ (162,238.79)			-
11	<b>TOTAL</b>		\$ 8,926,545.66	\$ (7,263,256.36)	\$ (4,052.10)	\$ 1,659,237.20			377,501 (307,912)
<b>Virtual Energy</b>									
12	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -			-
13	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -			-
14	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -			-
<b>Schedules 16 &amp; 17</b>									
15	DA Mkt Admin Amount	555.01	\$ 62,464.33	\$ -	\$ -	\$ 62,464.33			-
16	RT Mkt Admin Amount	555.18	\$ 5,722.99	\$ -	\$ (84.96)	\$ 5,638.03			-
17	FTR Mkt Admin Amount	555.13	\$ 2,510.77	\$ -	\$ -	\$ 2,510.77			-
18	<b>TOTAL</b>		\$ 70,698.09	\$ -	\$ (84.96)	\$ 70,613.13			-
<b>Congest &amp; FTRs</b>									
19	DA FBT Congestion Amount	555.03	\$ 351,507.30	\$ (4,755.26)	\$ -	\$ 346,752.04			-
20	DA Congestion		\$ -	\$ 127,383.74	\$ -	\$ 127,383.74			-
21	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -			-
22	RT Congestion		\$ 15,318.05	\$ -	\$ -	\$ 15,318.05			-
23	FTR Hourly Allocation Amount	555.14	\$ 244,539.25	\$ (98,407.23)	\$ (0.01)	\$ 146,132.01			-
24	FTR Monthly Allocation Amount	555.15	\$ -	\$ (1,200.10)	\$ (0.56)	\$ (1,200.66)			-
25	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -			-
26	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -			-
27	FTR Full Funding Guarantee Amount	555.36	\$ 1,188.08	\$ (18,320.07)	\$ 0.57	\$ (17,131.42)			-
28	FTR Guarantee Uplift Amount	555.37	\$ 18,320.07	\$ (1,447.40)	\$ (0.62)	\$ 16,872.05			-
29	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 30,405.85	\$ (12,939.62)	\$ -	\$ 17,466.23			-
30	FTR Annual Transaction Amount	555.38	\$ 12,835.95	\$ (30,400.14)	\$ -	\$ (17,564.19)			-
31	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 3,953.85	\$ -	\$ -	\$ 3,953.85			-
32	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (74,585.63)	\$ -	\$ (74,585.63)			-
33	DA Congestion Rebate on Option B GFA	555.07	\$ 4,755.36	\$ (351,507.40)	\$ -	\$ (346,752.04)			-
34	<b>TOTAL</b>		\$ 682,823.76	\$ (466,179.11)	\$ (0.62)	\$ 216,644.03			-
<b>RSG &amp; Make Whole Payments</b>									
35	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 9,208.04	\$ -	\$ 382.55	\$ 9,590.59			-
36	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ -	\$ -	\$ -			-
37	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 24,311.32	\$ -	\$ (186.88)	\$ 24,124.44			-
38	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -			-
39	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ (36,544.30)	\$ -	\$ (36,544.30)			-
40	<b>TOTAL</b>		\$ 33,519.36	\$ (36,544.30)	\$ 195.67	\$ (2,829.27)			-
<b>Revenue Neutrality Uplift</b>									
41	RT Revenue Neutrality Uplift Amount	555.28	\$ 101,910.35	\$ (2,099.76)	\$ (714.04)	\$ 99,096.55			-
42	<b>TOTAL</b>		\$ 101,910.35	\$ (2,099.76)	\$ (714.04)	\$ 99,096.55			-
<b>Other Charges</b>									
43	RT Misc Amount	555.25	\$ -	\$ -	\$ 43,582.93	\$ 43,582.93			-
44	RT Net Inadvertent Amount	555.27	\$ 5,474.83	\$ (6,654.01)	\$ 190.66	\$ (988.52)			-
45	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -			-
46	<b>TOTAL</b>		\$ 5,474.83	\$ (6,654.01)	\$ 43,773.59	\$ 42,594.41			-
<b>ASM Charges</b>									
47	RT ASM Non-Excessive Energy Amount	555.55	\$ 775,576.64	\$ (224,088.28)	\$ -	\$ 551,488.36			35,997 (12,235)
48	RT ASM Excessive Energy Amount	555.56	\$ 15.91	\$ (22.23)	\$ -	\$ (6.32)			0 (1)
49	<b>TOTAL</b>		\$ 775,592.55	\$ (224,110.51)	\$ -	\$ 551,482.04			35,997 (12,237)
<b>Grandfathered Charge Types</b>									
50	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -			-
51	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -			-
52	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -			-
53	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -			-
54	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -			-
... TRADE SECRET DATA ENDS ...									
55	<b>TOTAL MISO DAY 2 CHARGES</b>		\$ 10,596,564.60	\$ (7,998,844.05)	\$ 39,117.54	\$ 2,636,838.09	\$ (1,395,935.07)	\$ 1,240,903.02	413,498 (320,149)
56	Less Schedule 16 & 17 (Lines 1, 13, 18)		\$ (70,698.09)	\$ -	\$ -	\$ 84.96	\$ (70,613.13)		-
57	Congestion and Losses Adjustment		\$ -	\$ -	\$ (148,207.98)	\$ (148,207.98)			-
58	No DA generation sch., but still had output for current month		\$ -	\$ -	\$ -	\$ -			-
59	MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -			-
60	<b>TOTAL FOR MN COST OF ENERGY ADJUSTMENT</b>		\$ 10,525,866.51	\$ (7,998,844.05)	\$ (109,005.48)	\$ 2,418,016.98			-
61	Net MISO Charges for Retail = (B) + (C) + (D)			\$ 2,418,016.98					-
62	Net KWH for retail = ((G) + (H)) * 1,000				93,349,600				93,349,600
63	November 2012 covers time period of 10/24/2012 -- 11/22/2012 ** increased for losses of 2.8%								-
64									-
65	<b>MISO Book Totals</b>		\$ 2,527,022.46	\$ 93,349,600					-
66	Congestion and Losses Adjustment		\$ (148,207.98)						-
67	MISO RSG Bad Debt		\$ -						-
68	November Adjustments		\$ 39,202.50	\$ 408,990					-
69	<b>Total MISO</b>		\$ 2,418,016.98	\$ 93,758,590					-
... TRADE SECRET DATA ENDS ...									

**Attachment 4 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System December 2012 includes any adjustments									
No.	Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail
[TRADE SECRET DATA BEGINS . . .]									
1	DA Asset Energy Amount	555.02	\$ 12,866,853.56	\$ (9,346,400.04)	\$ -	\$ 3,520,453.52			435,606 (321,939)
2	DA FBT Loss Amount	555.04	\$ 451,249.10	\$ -	\$ -	\$ 451,249.10			-
3	DA Non-asset Energy Amount	555.09	\$ 819,245.20	\$ -	\$ -	\$ 819,245.20			34,472 -
4	RT Asset Energy Amount	555.19	\$ 532,715.83	\$ (198,469.56)	\$ (53,077.73)	\$ 281,168.54			18,691 (6,182)
5	RT Distribution of Losses Amount	555.24	\$ 7,678.71	\$ (223,068.27)	\$ 4,629.06	\$ (210,760.50)			-
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -			-
7	DA Loss Amount		\$ 72,231.13	\$ -	\$ -	\$ 72,231.13			-
8	RT Loss Amount		\$ 11,741.98	\$ -	\$ -	\$ 11,741.98			-
9	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -			-
10	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ (225,624.61)	\$ -	\$ (225,624.61)			-
11	<b>TOTAL</b>		\$ 14,761,715.51	\$ (9,993,562.48)	\$ (48,448.67)	\$ 4,719,704.36			488,769 (328,121)
<b>Virtual Energy</b>									
12	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -			-
13	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -			-
14	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -			-
<b>Schedules 16 &amp; 17</b>									
15	DA Mkt Admin Amount	555.01	\$ 67,856.72	\$ -	\$ -	\$ 67,856.72			-
16	RT Mkt Admin Amount	555.18	\$ 5,420.01	\$ -	\$ (246.96)	\$ 5,173.05			-
17	FTR Mkt Admin Amount	555.13	\$ 2,656.74	\$ -	\$ -	\$ 2,656.74			-
18	<b>TOTAL</b>		\$ 75,933.47	\$ -	\$ (246.96)	\$ 75,686.51			-
<b>Congest &amp; FTRs</b>									
19	DA FBT Congestion Amount	555.03	\$ 783,302.43	\$ (7,953.27)	\$ -	\$ 775,349.16			-
20	DA Congestion		\$ -	\$ (317,836.44)	\$ -	\$ (317,836.44)			-
21	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -			-
22	RT Congestion		\$ 40,453.01	\$ -	\$ -	\$ 40,453.01			-
23	FTR Hourly Allocation Amount	555.14	\$ 130,969.28	\$ (127,818.92)	\$ 0.04	\$ 3,150.40			-
24	FTR Monthly Allocation Amount	555.15	\$ -	\$ (2,784.46)	\$ 0.01	\$ (2,784.45)			-
25	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -			-
26	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -			-
27	FTR Full Funding Guarantee Amount	555.36	\$ 2,690.13	\$ (13,793.51)	\$ (0.05)	\$ (11,103.43)			-
28	FTR Guarantee Uplift Amount	555.37	\$ 13,793.51	\$ (7,333.86)	\$ 0.06	\$ 6,459.71			-
29	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 48,576.12	\$ (15,446.52)	\$ -	\$ 33,129.60			-
30	FTR Annual Transaction Amount	555.38	\$ 15,338.00	\$ (48,559.14)	\$ -	\$ (33,221.14)			-
31	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 729.41	\$ -	\$ -	\$ 729.41			-
32	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (57,721.00)	\$ -	\$ (57,721.00)			-
33	DA Congestion Rebate on Option B GFA	555.07	\$ 7,953.27	\$ (783,302.43)	\$ -	\$ (775,349.16)			-
34	<b>TOTAL</b>		\$ 1,043,805.16	\$ (1,382,549.55)	\$ 0.06	\$ (338,744.33)			-
<b>RSG &amp; Make Whole Payments</b>									
35	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 10,624.93	\$ -	\$ (3.07)	\$ 10,621.86			-
36	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ (253.17)	\$ -	\$ (253.17)			-
37	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 77,195.41	\$ -	\$ (1,201.43)	\$ 75,993.98			-
38	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -			-
39	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ (28,387.79)	\$ -	\$ (28,387.79)			-
40	<b>TOTAL</b>		\$ 87,820.34	\$ (28,640.96)	\$ (1,204.50)	\$ 57,974.88			-
<b>Revenue Neutrality Uplift</b>									
41	RT Revenue Neutrality Uplift Amount	555.28	\$ 129,173.94	\$ (5,466.59)	\$ (5,759.50)	\$ 117,947.85			-
42	<b>TOTAL</b>		\$ 129,173.94	\$ (5,466.59)	\$ (5,759.50)	\$ 117,947.85			-
<b>Other Charges</b>									
43	RT Misc Amount	555.25	\$ -	\$ -	\$ -	\$ -			-
44	RT Net Inadvertent Amount	555.27	\$ 4,660.51	\$ (6,609.45)	\$ 2,827.18	\$ 878.24			-
45	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -			-
46	<b>TOTAL</b>		\$ 4,660.51	\$ (6,609.45)	\$ 2,827.18	\$ 878.24			-
<b>ASM Charges</b>									
47	RT ASM Non-Excessive Energy Amount	555.55	\$ 843,249.66	\$ (201,400.65)	\$ -	\$ 641,849.01			31,376 (6,479)
48	RT ASM Excessive Energy Amount	555.56	\$ 1,263.39	\$ (635.46)	\$ -	\$ 627.93			(21)
49	<b>TOTAL</b>		\$ 844,513.05	\$ (202,036.11)	\$ -	\$ 642,476.94			31,376 (6,499)
<b>Grandfathered Charge Types</b>									
50	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -			-
51	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -			-
52	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -			-
53	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -			-
54	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -			-
[TRADE SECRET DATA ENDS]									
55	<b>TOTAL MISO DAY 2 CHARGES</b>		\$ 16,947,621.98	\$ (11,618,865.14)	\$ (52,832.39)	\$ 5,275,924.45	\$ (423,286.61)	\$ 4,852,637.84	520,145 (334,620)
56	Less Schedule 16 & 17 (Lines 1, 13, 18)		\$ (75,933.47)	\$ -	\$ -	\$ 246.96	\$ -	\$ (75,686.51)	-
57	Congestion and Losses Adjustment		\$ -	\$ -	\$ 11,640.13	\$ 11,640.13		\$ -	-
58	No DA generation sch., but still had output for current month		\$ -	\$ -	\$ (4,038.23)	\$ (4,038.23)		\$ -	-
59	MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -		\$ -	-
60	<b>TOTAL FOR MN COST OF ENERGY ADJUSTMENT</b>		\$ 16,871,688.51	\$ (11,618,865.14)	\$ (44,983.53)	\$ 5,207,839.84		\$ -	-
61	Net MISO Charges for Retail = (B) + (C) + (D)			\$ 5,207,839.84					
62	Net KWH for retail = ((G) + (H)) * 1,000			185,524.877					185,524.877
63	December 2012 covers time period of 11/23/2012 -- 12/25/2012 ** increased for losses of 2.8%								
64									
65	<b>MISO Book Totals</b>								
66	Congestion and Losses Adjustment		\$ 11,640.13						
67	MISO RSG Bad Debt		\$ -						
68	December Adjustments		\$ (56,623.66)	\$ (2,028.824)					
69	<b>Total MISO</b>		\$ 5,207,839.84	\$ 183,496.053					
[TRADE SECRET DATA ENDS]									

**Attachment 4 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System January 2013 includes any adjustments										
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss	Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**
			Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail
[TRADE SECRET DATA BEGINS . . .]										
1	DA Asset Energy Amount	555.02	\$ 11,494,031.35	\$ (7,385,111.02)	\$ -	\$ 4,108,920.33				413,661 (266,385)
2	DA FBT Loss Amount	555.04	\$ 317,928.28	\$ -	\$ -	\$ 317,928.28				-
3	DA Non-asset Energy Amount	555.09	\$ 442,341.48	\$ -	\$ -	\$ 442,341.48				18,483 -
4	RT Asset Energy Amount	555.19	\$ 265,146.33	\$ (287,426.17)	\$ (89,971.97)	\$ (112,251.81)				9,855 (10,355)
5	RT Distribution of Losses Amount	555.24	\$ 487.20	\$ (250,925.21)	\$ 402.60	\$ (250,035.41)				-
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -				-
7	DA Loss Amount		\$ 122,983.34	\$ -	\$ -	\$ 122,983.34				-
8	RT Loss Amount		\$ 14,581.86	\$ -	\$ -	\$ 14,581.86				-
9	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -				-
10	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ (158,964.63)	\$ -	\$ (158,964.63)				-
11	<b>TOTAL</b>		\$ 12,657,499.84	\$ (8,082,427.03)	\$ (89,569.37)	\$ 4,485,503.44				441,999 (276,740)
<b>Virtual Energy</b>										
12	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -				-
13	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -				-
14	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -				-
<b>Schedules 16 &amp; 17</b>										
15	DA Mkt Admin Amount	555.01	\$ 67,090.73	\$ -	\$ -	\$ 67,090.73				-
16	RT Mkt Admin Amount	555.18	\$ 4,811.12	\$ -	\$ (235.98)	\$ 4,575.14				-
17	FTR Mkt Admin Amount	555.13	\$ 3,304.39	\$ -	\$ -	\$ 3,304.39				-
18	<b>TOTAL</b>		\$ 75,206.24	\$ -	\$ (235.98)	\$ 74,970.26				-
<b>Congest &amp; FTRs</b>										
19	DA FBT Congestion Amount	555.03	\$ 270,754.57	\$ (23.90)	\$ -	\$ 270,730.67				-
20	DA Congestion		\$ -	\$ 70,992.28	\$ -	\$ 70,992.28				-
21	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -				-
22	RT Congestion		\$ (7,585.53)	\$ -	\$ -	\$ (7,585.53)				-
23	FTR Hourly Allocation Amount	555.14	\$ 153,196.31	\$ (75,998.25)	\$ 0.20	\$ 77,198.26				-
24	FTR Monthly Allocation Amount	555.15	\$ -	\$ (2,980.44)	\$ 0.14	\$ (2,980.30)				-
25	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -				-
26	FTR Monthly Transaction Amount	555.35	\$ -	\$ (69,589.00)	\$ -	\$ (69,589.00)				-
27	FTR Full Funding Guarantee Amount	555.36	\$ 2,827.29	\$ (4,700.23)	\$ (0.34)	\$ (1,873.28)				-
28	FTR Guarantee Uplift Amount	555.37	\$ 4,950.36	\$ -	\$ 0.23	\$ 4,950.59				-
29	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 48,576.12	\$ (15,446.52)	\$ -	\$ 33,129.60				-
30	FTR Annual Transaction Amount	555.38	\$ 15,338.00	\$ (48,559.14)	\$ -	\$ (33,221.14)				-
31	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 729.40	\$ -	\$ 0.03	\$ 729.43				-
32	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (59,075.02)	\$ 4.13	\$ (59,070.89)				-
33	DA Congestion Rebate on Option B GFA	555.07	\$ 23.90	\$ (270,754.57)	\$ -	\$ (270,730.67)				-
34	<b>TOTAL</b>		\$ 488,810.42	\$ (476,134.79)	\$ 4.39	\$ 12,680.02				-
<b>RSG &amp; Make Whole Payments</b>										
35	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 9,011.14	\$ -	\$ (2.43)	\$ 9,008.71				-
36	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ (6.93)	\$ -	\$ (6.93)				-
37	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 29,565.24	\$ -	\$ (634.46)	\$ 28,930.78				-
38	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -				-
39	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ (14,727.02)	\$ -	\$ (14,727.02)				-
40	<b>TOTAL</b>		\$ 38,576.38	\$ (14,733.95)	\$ (636.89)	\$ 23,205.54				-
<b>Revenue Neutrality Uplift</b>										
41	RT Revenue Neutrality Uplift Amount	555.28	\$ 50,056.91	\$ (15,339.87)	\$ (8,214.99)	\$ 26,502.05				-
42	<b>TOTAL</b>		\$ 50,056.91	\$ (15,339.87)	\$ (8,214.99)	\$ 26,502.05				-
<b>Other Charges</b>										
43	RT Misc Amount	555.25	\$ 1,916.47	\$ -	\$ -	\$ 1,916.47				-
44	RT Net Inadvertent Amount	555.27	\$ 1,251.46	\$ (5,358.40)	\$ (182.90)	\$ (4,289.84)				-
45	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -				-
46	<b>TOTAL</b>		\$ 3,167.93	\$ (5,358.40)	\$ (182.90)	\$ (2,373.37)				-
<b>ASM Charges</b>										
47	RT ASM Non-Excessive Energy Amount	555.55	\$ 478,720.77	\$ (247,459.09)	\$ -	\$ 231,261.68				20,651 (9,777)
48	RT ASM Excessive Energy Amount	555.56	\$ 15.97	\$ -	\$ -	\$ 15.97				- (1)
49	<b>TOTAL</b>		\$ 478,736.74	\$ (247,459.09)	\$ -	\$ 231,277.65				20,651 (9,779)
<b>Grandfathered Charge Types</b>										
50	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -				-
51	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -				-
52	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -				-
53	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -				-
54	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -				-
[TRADE SECRET DATA ENDS]										
55	<b>TOTAL MISO DAY 2 CHARGES</b>		\$ 13,792,054.46	\$ (8,841,453.13)	\$ (98,835.74)	\$ 4,851,765.59	\$ (59,462.00)	\$ 4,792,303.59		462,650 (286,519)
56	Less Schedule 16 & 17 (Lines 1, 13, 18)		\$ (75,206.24)	\$ -	\$ -	\$ 235.98	\$ (74,970.26)			-
57	Congestion and Losses Adjustment		\$ -	\$ -	\$ (9,455.49)	\$ (9,455.49)				-
58	No DA generation sch., but still had output for current month		\$ -	\$ -	\$ -	\$ -				-
59	MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -				-
60	<b>TOTAL FOR MN COST OF ENERGY ADJUSTMENT</b>		\$ 13,716,848.22	\$ (8,841,453.13)	\$ (108,055.25)	\$ 4,767,339.84				-
61	Net MISO Charges for Retail = (B) + (C) + (D)			\$ 4,767,339.84						176,130,872
62	Net KWH for retail = ((G) + (H)) * 1,000				176,130,872					176,130,872
63	January 2013 covers time period of 12/26/2012 -- 01/23/2013 ** increased for losses of 2.8%									[TRADE SECRET DATA BEGINS . . .]
64										
65	<b>MISO Book Totals</b>		\$ 4,875,395.09	\$ 176,130,872						
66	Congestion and Losses Adjustment		\$ (9,455.49)							
67	MISO RSG Bad Debt		\$ -							
68	January Adjustments		\$ (98,599.76)	\$ (2,668.086)						
69	<b>Total MISO</b>		\$ 4,767,339.84	\$ 173,462,786						
[TRADE SECRET DATA ENDS]										

**Attachment 4 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System February 2013 includes any adjustment:										
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss	Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**
			Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail
... TRADE SECRET DATA BEGINS ...										
1	DA Asset Energy Amount	555.02	\$ 11,527,435.82	\$ (7,716,828.56)	\$ -	\$ 3,810,607.26				413,429 (277,716)
2	DA FBT Loss Amount	555.04	\$ 336,576.98	\$ -	\$ -	\$ 336,576.98				-
3	DA Non-asset Energy Amount	555.09	\$ 768,367.05	\$ -	\$ -	\$ 768,367.05				33,646 -
4	RT Asset Energy Amount	555.19	\$ 97,197.06	\$ (588,671.99)	\$ (156,759.58)	\$ (648,234.51)				3,312 (20,360)
5	RT Distribution of Losses Amount	555.24	\$ 530.27	\$ (192,215.14)	\$ (2,660.56)	\$ (194,345.43)				-
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -				-
7	DA Loss Amount		\$ 107,266.46	\$ -	\$ -	\$ 107,266.46				-
8	RT Loss Amount		\$ 3,685.35	\$ -	\$ -	\$ 3,685.35				-
9	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -				-
10	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ (168,289.05)	\$ -	\$ (168,289.05)				-
11	<b>TOTAL</b>		\$ 12,841,058.99	\$ (8,666,004.74)	\$ (159,420.14)	\$ 4,015,634.11				450,387 (298,076)
<b>Virtual Energy</b>										
12	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -				-
13	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -				-
14	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -				-
<b>Schedules 16 &amp; 17</b>										
15	DA Mkt Admin Amount	555.01	\$ 72,360.79	\$ -	\$ -	\$ 72,360.79				-
16	RT Mkt Admin Amount	555.18	\$ 5,613.25	\$ -	\$ (94.75)	\$ 5,518.50				-
17	FTR Mkt Admin Amount	555.13	\$ 2,898.99	\$ -	\$ -	\$ 2,898.99				-
18	<b>TOTAL</b>		\$ 80,873.03	\$ -	\$ (94.75)	\$ 80,778.28				-
<b>Congest &amp; FTRs</b>										
19	DA FBT Congestion Amount	555.03	\$ 228,453.64	\$ (9,219.23)	\$ -	\$ 219,234.41				-
20	DA Congestion		\$ -	\$ 40,775.92	\$ -	\$ 40,775.92				-
21	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -				-
22	RT Congestion		\$ 24,474.89	\$ -	\$ -	\$ 24,474.89				-
23	FTR Hourly Allocation Amount	555.14	\$ 123,165.22	\$ (91,600.38)	\$ -	\$ 31,564.84				-
24	FTR Monthly Allocation Amount	555.15	\$ -	\$ (3,321.55)	\$ 0.02	\$ (3,321.53)				-
25	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -				-
26	FTR Monthly Transaction Amount	555.35	\$ -	\$ (44,705.00)	\$ -	\$ (44,705.00)				-
27	FTR Full Funding Guarantee Amount	555.36	\$ 2,551.22	\$ (10,433.47)	\$ (0.02)	\$ (7,882.27)				-
28	FTR Guarantee Uplift Amount	555.37	\$ 10,433.47	\$ (3,750.92)	\$ 0.02	\$ 6,682.57				-
29	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 48,576.12	\$ (15,446.52)	\$ -	\$ 33,129.60				-
30	FTR Annual Transaction Amount	555.38	\$ 15,338.00	\$ (48,559.14)	\$ -	\$ (33,221.14)				-
31	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 729.40	\$ -	\$ -	\$ 729.40				-
32	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (59,088.69)	\$ (14.24)	\$ (59,102.93)				-
33	DA Congestion Rebate on Option B GFA	555.07	\$ 9,219.16	\$ (228,453.57)	\$ -	\$ (219,234.41)				-
34	<b>TOTAL</b>		\$ 462,941.12	\$ (473,802.55)	\$ (14.22)	\$ (10,875.65)				-
<b>RSG &amp; Make Whole Payments</b>										
35	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 8,236.61	\$ -	\$ (34.50)	\$ 8,202.11				-
36	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ (307.37)	\$ -	\$ (307.37)				-
37	RT Revenue Sufficiency Guarantee First Pass Distribution Amo	555.29	\$ 12,753.86	\$ -	\$ (2,808.06)	\$ 9,945.80				-
38	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -				-
39	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ (9,115.43)	\$ -	\$ (9,115.43)				-
40	<b>TOTAL</b>		\$ 20,990.47	\$ (9,422.80)	\$ (2,842.56)	\$ 8,725.11				-
<b>Revenue Neutrality Uplift</b>										
41	RT Revenue Neutrality Uplift Amount	555.28	\$ 70,514.76	\$ (16,211.18)	\$ 4,733.30	\$ 59,036.88				-
42	<b>TOTAL</b>		\$ 70,514.76	\$ (16,211.18)	\$ 4,733.30	\$ 59,036.88				-
<b>Other Charges</b>										
43	RT Misc Amount	555.25	\$ -	\$ -	\$ (3.21)	\$ (3.21)				-
44	RT Net Inadvertent Amount	555.27	\$ 2,194.95	\$ (6,121.91)	\$ (3,516.65)	\$ (7,443.61)				-
45	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -				-
46	<b>TOTAL</b>		\$ 2,194.95	\$ (6,121.91)	\$ (3,519.86)	\$ (7,446.82)				-
<b>ASM Charges</b>										
47	RT ASM Non-Excessive Energy Amount	555.55	\$ 637,666.86	\$ (144,892.73)	\$ -	\$ 492,774.13				27,426 (5,873)
48	RT ASM Excessive Energy Amount	555.56	\$ -	\$ (180.84)	\$ -	\$ (180.84)				- (13)
49	<b>TOTAL</b>		\$ 637,666.86	\$ (145,073.57)	\$ -	\$ 492,593.29				27,426 (5,886)
<b>Grandfathered Charge Types</b>										
50	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -				-
51	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -				-
52	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -				-
53	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -				-
54	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -				-
... TRADE SECRET DATA ENDS ...										
55	<b>TOTAL MISO DAY 2 CHARGES</b>		\$ 14,116,240.18	\$ (9,316,636.75)	\$ (161,158.23)	\$ 4,638,445.20	\$ (230,059.39)	\$ 4,408,385.81		477,813 (303,963)
56	Less Schedule 16 & 17 (Lines 1, 13, 18		\$ (80,873.03)	\$ -	\$ -	\$ 94.75	\$ (80,778.28)			-
57	Congestion and Losses Adjustmen		\$ -	\$ -	\$ (1,575.59)	\$ (1,575.59)				-
58	No DA generation sch., but still had output for current mont		\$ -	\$ -	\$ -	\$ -				-
59	MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -				-
60	<b>TOTAL FOR MN COST OF ENERGY ADJUSTMENT</b>		\$ 14,035,367.15	\$ (9,316,636.75)	\$ (162,639.07)	\$ 4,556,091.33				-
61	Net MISO Charges for Retail = (B) + (C) + (D)			\$ 4,556,091.33						-
62	Net KWH for retail = ((G) + (H)) * 1,000				173,850,738					173,850,738
63	February 2013 covers time period of 01/24/2013 -- 02/20/2013 ** increased for losses of 2.8%									-
64										-
65	<b>MISO Book Totals</b>		\$ 4,718,730.40	\$ 173,850,738						-
66	Congestion and Losses Adjustmen		\$ (1,575.59)							-
67	MISO RSG Bad Debt		\$ -							-
68	February Adjustments		\$ (161,063.48)	\$ (4,504,773)						-
69	<b>Total MISO</b>		\$ 4,556,091.33	\$ 169,345,965						-
... TRADE SECRET DATA ENDS ...										

**Attachment 4 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System March 2013 includes any adjustments										
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss	Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**
			Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail
... TRADE SECRET DATA BEGINS ...										
1	DA Asset Energy Amount	555.02	\$ 10,491,824.86	\$ (9,313,772.26)	\$ -	\$ 1,178,052.60				393,195 (351,106)
2	DA FBT Loss Amount	555.04	\$ 469,962.17	\$ -	\$ -	\$ 469,962.17				-
3	DA Non-asset Energy Amount	555.09	\$ 770,196.36	\$ -	\$ -	\$ 770,196.36				34,228 -
4	RT Asset Energy Amount	555.19	\$ 44,746.11	\$ (488,904.57)	\$ 45,389.51	\$ (398,768.95)				2,313 (17,705)
5	RT Distribution of Losses Amount	555.24	\$ 413.82	\$ (110,695.01)	\$ (3,747.21)	\$ (114,028.40)				-
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -				-
7	DA Loss Amount		\$ 75,427.36	\$ -	\$ -	\$ 75,427.36				-
8	RT Loss Amount		\$ 14,693.67	\$ -	\$ -	\$ 14,693.67				-
9	RT Non-Asset Energy Amount	555.26	\$ 882.06	\$ (4,556.62)	\$ -	\$ (3,674.56)				53 (235)
10	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ (234,980.99)	\$ -	\$ (234,980.99)				-
11	<b>TOTAL</b>		\$ 11,868,146.41	\$ (10,152,909.45)	\$ 41,642.30	\$ 1,756,879.26				429,790 (369,046)
<b>Virtual Energy</b>										
12	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -				-
13	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -				-
14	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -				-
<b>Schedules 16 &amp; 17</b>										
15	DA Mkt Admin Amount	555.01	\$ 80,581.27	\$ -	\$ -	\$ 80,581.27				-
16	RT Mkt Admin Amount	555.18	\$ 6,093.87	\$ -	\$ 94.84	\$ 6,188.71				-
17	FTR Mkt Admin Amount	555.13	\$ 3,504.79	\$ -	\$ -	\$ 3,504.79				-
18	<b>TOTAL</b>		\$ 90,179.93	\$ -	\$ 94.84	\$ 90,274.77				-
<b>Congest &amp; FTRs</b>										
19	DA FBT Congestion Amount	555.03	\$ 146,664.02	\$ (6,635.60)	\$ -	\$ 140,028.42				-
20	DA Congestion		\$ -	\$ 1,517.83	\$ -	\$ 1,517.83				-
21	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -				-
22	RT Congestion		\$ 1,371.41	\$ -	\$ -	\$ 1,371.41				-
23	FTR Hourly Allocation Amount	555.14	\$ 52,175.02	\$ (85,568.60)	\$ -	\$ (33,393.58)				-
24	FTR Monthly Allocation Amount	555.15	\$ -	\$ (433.57)	\$ -	\$ (433.57)				-
25	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -				-
26	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -				-
27	FTR Full Funding Guarantee Amount	555.36	\$ 251.06	\$ (12,720.64)	\$ -	\$ (12,469.58)				-
28	FTR Guarantee Uplift Amount	555.37	\$ 12,720.64	\$ (60.08)	\$ -	\$ 12,660.56				-
29	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 40,525.38	\$ (17,861.85)	\$ -	\$ 22,663.53				-
30	FTR Annual Transaction Amount	555.38	\$ 17,789.08	\$ (40,525.38)	\$ -	\$ (22,736.30)				-
31	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 1,028.95	\$ -	\$ -	\$ 1,028.95				-
32	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (65,077.33)	\$ (0.57)	\$ (65,077.90)				-
33	DA Congestion Rebate on Option B GFA	555.07	\$ 6,635.38	\$ (146,663.80)	\$ -	\$ (140,028.42)				-
34	<b>TOTAL</b>		\$ 279,160.94	\$ (374,029.02)	\$ (0.57)	\$ (94,868.65)				-
<b>RSG &amp; Make Whole Payments</b>										
35	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 6,747.39	\$ -	\$ -	\$ 6,747.39				-
36	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ -	\$ -	\$ -				-
37	RT Revenue Sufficiency Guarantee First Pass Distribution Amo	555.29	\$ 26,270.90	\$ -	\$ (691.76)	\$ 25,579.14				-
38	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -				-
39	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ (17,215.95)	\$ -	\$ (17,215.95)				-
40	<b>TOTAL</b>		\$ 33,018.29	\$ (17,215.95)	\$ (691.76)	\$ 15,110.58				-
<b>Revenue Neutrality Uplift</b>										
41	RT Revenue Neutrality Uplift Amount	555.28	\$ 56,619.55	\$ (8,842.41)	\$ (2,886.52)	\$ 44,890.62				-
42	<b>TOTAL</b>		\$ 56,619.55	\$ (8,842.41)	\$ (2,886.52)	\$ 44,890.62				-
<b>Other Charges</b>										
43	RT Misc Amount	555.25	\$ -	\$ -	\$ 184.62	\$ 184.62				-
44	RT Net Inadvertent Amount	555.27	\$ 7,295.77	\$ (6,621.27)	\$ (1,787.44)	\$ (1,112.94)				-
45	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -				-
46	<b>TOTAL</b>		\$ 7,295.77	\$ (6,621.27)	\$ (1,602.82)	\$ (928.32)				-
<b>ASM Charges</b>										
47	RT ASM Non-Excessive Energy Amount	555.55	\$ 638,876.48	\$ (203,203.56)	\$ (3,629.36)	\$ 432,043.56				29,472 (9,416)
48	RT ASM Excessive Energy Amount	555.56	\$ 78.12	\$ -	\$ -	\$ 78.12				(25)
49	<b>TOTAL</b>		\$ 638,954.60	\$ (203,203.56)	\$ (3,629.36)	\$ 432,121.68				29,472 (9,441)
<b>Grandfathered Charge Types</b>										
50	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -				-
51	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -				-
52	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -				-
53	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -				-
54	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -				-
... TRADE SECRET DATA ENDS ...										
55	<b>TOTAL MISO DAY 2 CHARGES</b>		\$ 12,973,375.49	\$ (10,762,821.66)	\$ 32,926.11	\$ 2,243,479.94	\$ (634,048.45)	\$ 1,609,431.49		459,262 (378,487)
56	Less Schedule 16 & 17 (Lines 1, 13, 18 Congestion and Losses Adjustment)		\$ (90,179.93)	\$ -	\$ -	\$ (94.84)	\$ (90,274.77)			-
57	No DA generation sch., but still had output for current mont		\$ -	\$ -	\$ (18,703.47)	\$ (18,703.47)				-
58	MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -				-
59	<b>TOTAL FOR MN COST OF ENERGY ADJUSTMENT</b>		\$ 12,883,195.56	\$ (10,762,821.66)	\$ 14,127.80	\$ 2,134,501.70				-
61	Net MISO Charges for Retail = (B) + (C) + (D)			\$ 2,134,501.70						80,775,257
62	Net KWH for retail = ((G) + (H)) * 1,000				80,775,257					
63	March 2013 covers time period of 02/21/2013 -- 03/21/2013 ** increased for losses of 2.8%									
64										
65	<b>MISO Book Totals</b>		\$ 2,120,373.90	\$ 80,775,257						
66	Congestion and Losses Adjustmen		\$ (18,703.47)							
67	MISO RSG Bad Debt		\$ -							
68	March Adjustments		\$ 32,831.27	\$ 687,224						
69	<b>Total MISO</b>		\$ 2,134,501.70	\$ 81,462,481						
... TRADE SECRET DATA ENDS ...										

**Attachment 4 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System April 2013 includes any adjustment:										
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss	Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**
			Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail
... TRADE SECRET DATA BEGINS ...										
1	DA Asset Energy Amount	555.02	\$ 11,229,126.75	\$ (10,823,986.93)	\$ -	\$ 405,139.82				376,752 (365,173)
2	DA FBT Loss Amount	555.04	\$ 473,483.49	\$ -	\$ -	\$ 473,483.49				-
3	DA Non-asset Energy Amount	555.09	\$ 563,148.99	\$ -	\$ -	\$ 563,148.99				22,908 -
4	RT Asset Energy Amount	555.19	\$ 111,084.90	\$ (379,121.70)	\$ 123,930.75	\$ (144,106.05)				4,174 (11,218)
5	RT Distribution of Losses Amount	555.24	\$ 502.07	\$ (123,342.09)	\$ (953.25)	\$ (123,793.27)				-
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -				-
7	DA Loss Amount		\$ 194,235.08	\$ -	\$ -	\$ 194,235.08				-
8	RT Loss Amount		\$ (1,488.47)	\$ -	\$ -	\$ (1,488.47)				-
9	RT Non-Asset Energy Amount	555.26	\$ -	\$ (246.60)	\$ -	\$ (246.60)				(8)
10	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ (236,742.23)	\$ -	\$ (236,742.23)				-
11	<b>TOTAL</b>		\$ 12,570,091.81	\$ (11,563,439.55)	\$ 122,977.50	\$ 1,129,629.76				403,834 (376,400)
<b>Virtual Energy</b>										
12	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -				-
13	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -				-
14	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -				-
<b>Schedules 16 &amp; 17</b>										
15	DA Mkt Admin Amount	555.01	\$ 74,322.60	\$ -	\$ -	\$ 74,322.60				-
16	RT Mkt Admin Amount	555.18	\$ 5,790.61	\$ -	\$ (235.32)	\$ 5,555.29				-
17	FTR Mkt Admin Amount	555.13	\$ 2,945.70	\$ -	\$ -	\$ 2,945.70				-
18	<b>TOTAL</b>		\$ 83,058.91	\$ -	\$ (235.32)	\$ 82,823.59				-
<b>Congest &amp; FTRs</b>										
19	DA FBT Congestion Amount	555.03	\$ 480,931.01	\$ (4,739.82)	\$ -	\$ 476,191.19				-
20	DA Congestion		\$ -	\$ 180,132.66	\$ -	\$ 180,132.66				-
21	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -				-
22	RT Congestion		\$ 9,798.52	\$ -	\$ -	\$ 9,798.52				-
23	FTR Hourly Allocation Amount	555.14	\$ 139,818.24	\$ (105,204.14)	\$ (0.77)	\$ 34,613.33				-
24	FTR Monthly Allocation Amount	555.15	\$ -	\$ (2,428.77)	\$ -	\$ (2,428.77)				-
25	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ (24,769.67)	\$ (24,769.67)				-
26	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -				-
27	FTR Full Funding Guarantee Amount	555.36	\$ 2,368.42	\$ (14,556.22)	\$ 24,770.44	\$ 12,582.64				-
28	FTR Guarantee Uplift Amount	555.37	\$ 14,556.22	\$ (3,883.83)	\$ (20,972.62)	\$ (10,300.23)				-
29	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 40,525.38	\$ (17,861.85)	\$ -	\$ 22,663.53				-
30	FTR Annual Transaction Amount	555.38	\$ 17,789.08	\$ (40,525.38)	\$ -	\$ (22,736.30)				-
31	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 1,028.95	\$ -	\$ -	\$ 1,028.95				-
32	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (65,077.33)	\$ -	\$ (65,077.33)				-
33	DA Congestion Rebate on Option B GFA	555.07	\$ 4,739.83	\$ (480,931.02)	\$ -	\$ (476,191.19)				-
34	<b>TOTAL</b>		\$ 711,555.65	\$ (555,075.70)	\$ (20,972.62)	\$ 135,507.33				-
<b>RSG &amp; Make Whole Payments</b>										
35	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 11,856.79	\$ -	\$ (0.68)	\$ 11,856.11				-
36	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ (788.02)	\$ -	\$ (788.02)				-
37	RT Revenue Sufficiency Guarantee First Pass Distribution Amo	555.29	\$ 59,354.30	\$ -	\$ (31.90)	\$ 59,322.40				-
38	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -				-
39	RT Price Volatility Make Whole Payment	555.42	\$ -	\$ (51,024.88)	\$ -	\$ (51,024.88)				-
40	<b>TOTAL</b>		\$ 71,211.09	\$ (51,812.90)	\$ (32.58)	\$ 19,365.61				-
<b>Revenue Neutrality Uplift</b>										
41	RT Revenue Neutrality Uplift Amount	555.28	\$ 95,555.89	\$ (10,704.85)	\$ (12,599.61)	\$ 72,251.43				-
42	<b>TOTAL</b>		\$ 95,555.89	\$ (10,704.85)	\$ (12,599.61)	\$ 72,251.43				-
<b>Other Charges</b>										
43	RT Misc Amount	555.25	\$ -	\$ -	\$ (22,681.91)	\$ (22,681.91)				-
44	RT Net Inadvertent Amount	555.27	\$ 10,957.94	\$ (11,626.81)	\$ 215.73	\$ (453.14)				-
45	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -				-
46	<b>TOTAL</b>		\$ 10,957.94	\$ (11,626.81)	\$ (22,466.18)	\$ (23,135.05)				-
<b>ASM Charges</b>										
47	RT ASM Non-Excessive Energy Amount	555.55	\$ 748,880.02	\$ (169,363.94)	\$ -	\$ 579,516.08				35,737 (8,052)
48	RT ASM Excessive Energy Amount	555.56	\$ 3,808.81	\$ (134.04)	\$ -	\$ 3,674.77				(272)
49	<b>TOTAL</b>		\$ 752,688.83	\$ (169,497.98)	\$ -	\$ 583,190.85				35,737 (8,324)
<b>Grandfathered Charge Types</b>										
50	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -				-
51	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -				-
52	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -				-
53	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -				-
54	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -				-
... TRADE SECRET DATA ENDS ...										
55	<b>TOTAL MISO DAY 2 CHARGES</b>		\$ 14,295,120.12	\$ (12,362,157.79)	\$ 66,671.19	\$ 1,999,633.52	\$ (1,336,379.34)	\$ 663,254.18		439,570 (384,723)
56	Less Schedule 16 & 17 (Lines 1, 13, 18		\$ (83,058.91)	\$ -	\$ -	\$ 235.32	\$ (82,823.59)			
57	Congestion and Losses Adjustmen		\$ -	\$ -	\$ (53,281.00)	\$ (53,281.00)				
58	No DA generation sch., but still had output for current mont		\$ -	\$ -	\$ (12,609.90)	\$ (12,609.90)				
59	MISO RSG Bad Debt		\$ -	\$ -	\$ -	\$ -				
60	<b>TOTAL FOR MN COST OF ENERGY ADJUSTMENT</b>		\$ 14,212,061.21	\$ (12,362,157.79)	\$ 1,015.61	\$ 1,850,919.03				
61	Net MISO Charges for Retail = (B) + (C) + (D)			\$ 1,850,919.03						
62	Net KWH for retail = ((G) + (H)) * 1,000			54,846,952						54,846,952
63	April 2013 covers time period of 04/01/2005 -- 03/21/2013 ** increased for losses of 2.8%									
64										
65	<b>MISO Book Totals</b>		\$ 1,849,303.42	\$ 54,846,952						
66	Congestion and Losses Adjustmen		\$ (53,281.00)							
67	MISO RSG Bad Debt		\$ -							
68	April Adjustments		\$ 54,296.61	\$ 4,574,414						
69	<b>Total MISO</b>		\$ 1,850,919.03	\$ 59,421,366						
... TRADE SECRET DATA ENDS ...										

**Attachment 4 to Otter Tail Power Company Reply Comments  
PUBLIC DOCUMENT - TRADE SECRET DATA HAS BEEN EXCISED**

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System May 2013 includes any adjustments										
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**		
Charge Type Description	Acct	Retail Debits	Retail Credits	Adjustments	Net Retail	Net Intersystem	Total	Charge types with		
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss							MWH for Retail		
[TRADE SECRET DATA BEGINS . . .]										
1	DA Asset Energy Amount	555.02	\$ 7,764,245.80	\$ (6,306,121.34)	\$ -	\$ 1,458,124.46		293,324	(236,013)	
2	DA FBT Loss Amount	555.04	\$ 153,285.26	\$ -	\$ -	\$ 153,285.26		-	-	
3	DA Non-asset Energy Amount	555.09	\$ 337,378.83	\$ -	\$ -	\$ 337,378.83		14,589	-	
4	RT Asset Energy Amount	555.19	\$ 242,860.57	\$ (98,223.03)	\$ 345,342.53	\$ 489,980.07		8,887	(3,536)	
5	RT Distribution of Losses Amount	555.24	\$ 1,331.49	\$ (130,636.73)	\$ (8,360.83)	\$ (137,666.07)		-	-	
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -		-	-	
7	DA Loss Amount		\$ 246,475.12	\$ -	\$ -	\$ 246,475.12		-	-	
8	RT Loss Amount		\$ 23,618.04	\$ -	\$ -	\$ 23,618.04		-	-	
9	RT Non-Asset Energy Amount	555.26	\$ -	\$ (174.13)	\$ -	\$ (174.13)		-	(11)	
10	DA Losses Rebate on Option B GFA	555.08	\$ -	\$ (76,643.28)	\$ -	\$ (76,643.28)		-	-	
11	<b>TOTAL</b>		\$ 8,769,195.11	\$ (6,611,798.51)	\$ 336,981.70	\$ 2,494,378.30		316,800	(239,560)	
<b>Virtual Energy</b>										
12	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -		-	-	
13	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -		-	-	
14	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -		-	-	
<b>Schedules 16 &amp; 17</b>										
15	DA Mkt Admin Amount	555.01	\$ 48,245.34	\$ -	\$ -	\$ 48,245.34		-	-	
16	RT Mkt Admin Amount	555.18	\$ 4,711.58	\$ -	\$ (653.87)	\$ 4,057.71		-	-	
17	FTR Mkt Admin Amount	555.13	\$ 1,360.27	\$ -	\$ -	\$ 1,360.27		-	-	
18	<b>TOTAL</b>		\$ 54,317.19	\$ -	\$ (653.87)	\$ 53,663.32		-	-	
<b>Congest &amp; FTRs</b>										
19	DA FBT Congestion Amount	555.03	\$ 175,201.83	\$ (10,023.80)	\$ -	\$ 165,178.03		-	-	
20	DA Congestion		\$ -	\$ 160,265.65	\$ -	\$ 160,265.65		-	-	
21	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -		-	-	
22	RT Congestion		\$ (38,791.89)	\$ -	\$ -	\$ (38,791.89)		-	-	
23	FTR Hourly Allocation Amount	555.14	\$ 379,350.53	\$ (55,883.62)	\$ (2.67)	\$ 323,464.24		-	-	
24	FTR Monthly Allocation Amount	555.15	\$ -	\$ (7,340.31)	\$ 22.78	\$ (7,317.53)		-	-	
25	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -		-	-	
26	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -		-	-	
27	FTR Full Funding Guarantee Amount	555.36	\$ 7,226.95	\$ (8,520.42)	\$ (20.11)	\$ (1,313.58)		-	-	
28	FTR Guarantee Uplift Amount	555.37	\$ 8,520.42	\$ (10,169.75)	\$ 15.29	\$ (1,634.04)		-	-	
29	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 40,525.38	\$ (17,861.85)	\$ -	\$ 22,663.53		-	-	
30	FTR Annual Transaction Amount	555.38	\$ 17,789.08	\$ (40,525.38)	\$ -	\$ (22,736.30)		-	-	
31	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 1,028.95	\$ -	\$ (0.11)	\$ 1,028.84		-	-	
32	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (65,113.01)	\$ 679.78	\$ (64,433.23)		-	-	
33	DA Congestion Rebate on Option B GFA	555.07	\$ 10,023.80	\$ (175,201.83)	\$ -	\$ (165,178.03)		-	-	
34	<b>TOTAL</b>		\$ 600,875.05	\$ (230,374.32)	\$ 694.96	\$ 371,195.69		-	-	
<b>RSG &amp; Make Whole Payments</b>										
35	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 14,708.46	\$ -	\$ 5.13	\$ 14,713.59		-	-	
36	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ (6,399.46)	\$ -	\$ (6,399.46)		-	-	
37	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 233,125.37	\$ -	\$ 2,682.98	\$ 235,808.35		-	-	
38	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -		-	-	
39	RT Price Volatility Make Whole Paymen	555.42	\$ -	\$ (21,392.06)	\$ 9.68	\$ (21,382.38)		-	-	
40	<b>TOTAL</b>		\$ 247,833.83	\$ (27,791.52)	\$ 2,697.79	\$ 222,740.10		-	-	
<b>Revenue Neutrality Uplift</b>										
41	RT Revenue Neutrality Uplift Amount	555.28	\$ 81,383.25	\$ (5,731.89)	\$ (3,416.90)	\$ 72,234.46		-	-	
42	<b>TOTAL</b>		\$ 81,383.25	\$ (5,731.89)	\$ (3,416.90)	\$ 72,234.46		-	-	
<b>Other Charges</b>										
43	RT Misc Amount	555.25	\$ -	\$ -	\$ 10.75	\$ 10.75		-	-	
44	RT Net Inadvertent Amount	555.27	\$ 3,774.69	\$ (3,524.11)	\$ 778.82	\$ 1,029.40		-	-	
45	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -		-	-	
46	<b>TOTAL</b>		\$ 3,774.69	\$ (3,524.11)	\$ 789.57	\$ 1,040.15		-	-	
<b>ASM Charges</b>										
47	RT ASM Non-Excessive Energy Amount	555.55	\$ 562,043.06	\$ (316,512.18)	\$ (142.76)	\$ 245,388.12		27,619	(12,324)	
48	RT ASM Excessive Energy Amount	555.56	\$ 1,251.41	\$ -	\$ -	\$ 1,251.41		-	(114)	
49	<b>TOTAL</b>		\$ 563,294.47	\$ (316,512.18)	\$ (142.76)	\$ 246,639.53		27,619	(12,439)	
<b>Grandfathered Charge Types</b>										
50	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -		-	-	
51	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -		-	-	
52	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -		-	-	
53	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -		-	-	
54	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -		-	-	
[TRADE SECRET DATA ENDS]										
55	<b>TOTAL MISO DAY 2 CHARGES</b>		\$ 10,320,673.59	\$ (7,195,732.53)	\$ 336,950.49	\$ 3,461,891.55	\$ (1,064,447.67)	\$ 2,397,443.88	344,418	(251,999)
56	<b>Less Schedule 16 &amp; 17 (Lines 1, 13, 18)</b>		\$ (54,317.19)	\$ -	\$ 653.87	\$ (53,663.32)		-	-	
57	<b>Congestion and Losses Adjustment</b>		\$ -	\$ -	\$ (51,267.09)	\$ (51,267.09)		-	-	
58	<b>No DA generation sch., but still had output for current month</b>		\$ -	\$ -	\$ -	\$ -		-	-	
59	<b>MISO RSG Bad Debt</b>		\$ -	\$ -	\$ -	\$ -		-	-	
60	<b>TOTAL FOR MN COST OF ENERGY ADJUSTMENT</b>		\$ 10,266,356.40	\$ (7,195,732.53)	\$ 286,337.27	\$ 3,356,961.14		-	-	
61	Net MISO Charges for Retail = (B) + (C) + (D)		\$ -	\$ 3,356,961.14	\$ -	\$ -		-	-	
62	Net KWH for retail = ((G) + (H)) * 1,000		\$ -	\$ 92,419,462	\$ -	\$ -		92,419,462	-	
63	May 2013 covers time period of 04/23/2013 -- 05/23/2013 ** increased for losses of 2.8%									
64			<b>Net Retail</b>	<b>Net MISO KWH</b>			<b>[TRADE SECRET DATA BEGINS . . .]</b>			
65	<b>MISO Book Totals</b>		\$ 3,070,623.87	92,419,462			<b>per kWh</b>	<b>Net Intersystem</b>	<b>Total</b>	
66	<b>Congestion and Losses Adjustment</b>		\$ (51,267.09)							
67	<b>MISO RSG Bad Debt</b>		\$ -							
68	<b>May Adjustments</b>		\$ 337,604.36	11,652,609						
69	<b>Total MISO</b>		\$ 3,356,961.14	104,072,071						
[TRADE SECRET DATA ENDS]										



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Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System June 2013 includes any adjustments										
No.	Charge Type Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**	
		Acct	Retail Debits	Retail Credits	Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail	
<b>Day Ahead &amp; Real Time Asset &amp; Non Asset Energy &amp; Loss</b>										
1	DA Asset Energy Amount	555.02	\$ 5,160,552.58	\$ (4,750,120.45)	\$ -	\$ 410,432.13			249,870 (227,259)	
2	DA FBT Loss Amount	555.04	\$ 17,097.73	\$ (1,598.86)	\$ -	\$ 15,498.87			-	
3	DA Non-asset Energy Amount	555.09	\$ 280,855.49	\$ -	\$ -	\$ 280,855.49			16,202	
4	RT Asset Energy Amount	555.19	\$ 233,626.60	\$ (47,398.94)	\$ 280,060.47	\$ 466,288.13			12,994 (1,933)	
5	RT Distribution of Losses Amount	555.24	\$ 3,219.46	\$ (109,775.94)	\$ (2,860.11)	\$ (109,416.59)			-	
6	RT FBT Loss Amount	555.21	\$ -	\$ -	\$ -	\$ -			-	
7	DA Loss Amount		\$ 254,437.39	\$ -	\$ -	\$ 254,437.39			-	
8	RT Loss Amount		\$ 16,667.17	\$ -	\$ -	\$ 16,667.17			-	
9	RT Non-Asset Energy Amount	555.26	\$ -	\$ -	\$ -	\$ -			-	
10	DA Losses Rebate on Option B GFA	555.08	\$ 799.42	\$ (8,548.82)	\$ -	\$ (7,749.40)			-	
11	<b>TOTAL</b>		\$ 5,967,255.84	\$ (4,917,443.01)	\$ 277,200.36	\$ 1,327,013.19			279,066 (229,191)	
<b>Virtual Energy</b>										
12	DA Virtual Energy Amount	555.12	\$ -	\$ -	\$ -	\$ -			-	
13	RT Virtual Energy Amount	555.32	\$ -	\$ -	\$ -	\$ -			-	
14	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -			-	
<b>Schedules 16 &amp; 17</b>										
15	DA Mkt Admin Amount	555.01	\$ 45,914.63	\$ -	\$ -	\$ 45,914.63			-	
16	RT Mkt Admin Amount	555.18	\$ 3,997.16	\$ -	\$ 1.01	\$ 3,998.17			-	
17	FTR Mkt Admin Amount	555.13	\$ 2,805.43	\$ -	\$ -	\$ 2,805.43			-	
18	<b>TOTAL</b>		\$ 52,717.22	\$ -	\$ 1.01	\$ 52,718.23			-	
<b>Congest &amp; FTRs</b>										
19	DA FBT Congestion Amount	555.03	\$ 61,680.85	\$ (491.40)	\$ -	\$ 61,189.45			-	
20	DA Congestion		\$ -	\$ 257,963.10	\$ -	\$ 257,963.10			-	
21	RT FBT Congestion Amount	555.20	\$ -	\$ -	\$ -	\$ -			-	
22	RT Congestion		\$ 13,658.54	\$ -	\$ -	\$ 13,658.54			-	
23	FTR Hourly Allocation Amount	555.14	\$ 91,907.77	\$ (423,256.89)	\$ 0.33	\$ (331,348.79)			-	
24	FTR Monthly Allocation Amount	555.15	\$ -	\$ (1,067.56)	\$ (0.27)	\$ (1,067.83)			-	
25	FTR Yearly Allocation Amount	555.17	\$ -	\$ -	\$ -	\$ -			-	
26	FTR Monthly Transaction Amount	555.35	\$ -	\$ -	\$ -	\$ -			-	
27	FTR Full Funding Guarantee Amount	555.36	\$ 676.75	\$ (39,529.58)	\$ (0.06)	\$ (38,852.89)			-	
28	FTR Guarantee Uplift Amount	555.37	\$ 39,529.58	\$ (344.63)	\$ 0.21	\$ 39,185.16			-	
29	FTR Auction Revenue Rights Transaction Amount	555.39	\$ 150,241.62	\$ (701,486.90)	\$ -	\$ (551,245.28)			-	
30	FTR Annual Transaction Amount	555.38	\$ 701,487.06	\$ (149,945.59)	\$ -	\$ 551,541.47			-	
31	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	\$ 15,882.03	\$ -	\$ (0.22)	\$ 15,881.81			-	
32	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	\$ -	\$ (72,963.56)	\$ 1,359.91	\$ (71,603.65)			-	
33	DA Congestion Rebate on Option B GFA	555.07	\$ 491.40	\$ (61,680.85)	\$ -	\$ (61,189.45)			-	
34	<b>TOTAL</b>		\$ 1,075,555.60	\$ (1,192,803.86)	\$ 1,359.90	\$ (115,888.36)			-	
<b>RSG &amp; Make Whole Payments</b>										
35	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	\$ 6,478.84	\$ -	\$ 0.02	\$ 6,478.86			-	
36	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	\$ -	\$ (11,196.19)	\$ -	\$ (11,196.19)			-	
37	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	555.29	\$ 19,226.35	\$ -	\$ (797.99)	\$ 18,428.36			-	
38	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	\$ -	\$ -	\$ -	\$ -			-	
39	RT Price Volatility Make Whole Paymen	555.42	\$ -	\$ (54,102.18)	\$ -	\$ (54,102.18)			-	
40	<b>TOTAL</b>		\$ 25,705.19	\$ (65,298.37)	\$ (797.97)	\$ (40,391.15)			-	
<b>Revenue Neutrality Uplift</b>										
41	RT Revenue Neutrality Uplift Amount	555.28	\$ 92,190.80	\$ (6,732.04)	\$ (5,920.83)	\$ 79,537.93			-	
42	<b>TOTAL</b>		\$ 92,190.80	\$ (6,732.04)	\$ (5,920.83)	\$ 79,537.93			-	
<b>Other Charges</b>										
43	RT Misc Amount	555.25	\$ -	\$ -	\$ (58.74)	\$ (58.74)			-	
44	RT Net Inadvertent Amount	555.27	\$ 4,448.03	\$ (6,093.19)	\$ 5,780.27	\$ 4,135.11			-	
45	RT Uninstructed Deviation Amount	555.31	\$ -	\$ -	\$ -	\$ -			-	
46	<b>TOTAL</b>		\$ 4,448.03	\$ (6,093.19)	\$ 5,721.53	\$ 4,076.37			-	
<b>ASM Charges</b>										
47	RT ASM Non-Excessive Energy Amount	555.55	\$ 380,461.21	\$ (153,216.72)	\$ -	\$ 227,244.49			19,281 (9,535)	
48	RT ASM Excessive Energy Amount	555.56	\$ 236.10	\$ -	\$ -	\$ 236.10			0 (67)	
49	<b>TOTAL</b>		\$ 380,697.31	\$ (153,216.72)	\$ -	\$ 227,480.59			19,281 (9,602)	
<b>Grandfathered Charge Types</b>										
50	DA Congestion Rebate on COGA	555.05	\$ -	\$ -	\$ -	\$ -			-	
51	DA Losses Rebate on COGA	555.06	\$ -	\$ -	\$ -	\$ -			-	
52	RT Congestion Rebate on COGA	555.22	\$ -	\$ -	\$ -	\$ -			-	
53	RT Loss Rebate on COGA	555.23	\$ -	\$ -	\$ -	\$ -			-	
54	<b>TOTAL</b>		\$ -	\$ -	\$ -	\$ -			-	
<b>... TRADE SECRET DATA ENDS</b>										
55	<b>TOTAL MISO DAY 2 CHARGES</b>		\$ 7,598,569.99	\$ (6,341,587.19)	\$ 277,564.00	\$ 1,534,546.80	\$ (568,827.44)	\$ 965,719.36	298,348 (238,793)	
56	<b>Less Schedule 16 &amp; 17 (Lines 1, 13, 18)</b>		\$ (52,717.22)	\$ -	\$ (1.01)	\$ (52,718.23)			-	
57	<b>Congestion and Losses Adjustment</b>		\$ -	\$ -	\$ (4,023.77)	\$ (4,023.77)			-	
58	<b>No DA generation sch., but still had output for current month</b>		\$ -	\$ -	\$ (16,381.33)	\$ (16,381.33)			-	
59	<b>MISO RSG Bad Debt</b>		\$ -	\$ -	\$ -	\$ -			-	
60	<b>TOTAL FOR MN COST OF ENERGY ADJUSTMENT</b>		\$ 7,545,852.77	\$ (6,341,587.19)	\$ 257,157.89	\$ 1,461,423.47			-	
61	Net MISO Charges for Retail = (B) + (C) + (D)		\$ -	\$ 1,461,423.47					-	
62	Net KWH for retail = ((G) + (H)) * 1,000			59,554.479					59,554,479	
63	June 2013 covers time period of 05/24/2013 -- 06/20/2013 ** increased for losses of 2.8%									
64			<b>Net Retail</b>	<b>Net MISO KWH</b>			<b>[TRADE SECRET DATA BEGINS ...</b>			
65	<b>MISO Book Totals</b>		\$ 1,204,265.58	59,554,479			<b>per kWh</b>	<b>Net Intersystem</b>	<b>Total</b>	
66	<b>Congestion and Losses Adjustment</b>		\$ (4,023.77)							
67	<b>MISO RSG Bad Debt</b>		\$ -							
68	<b>June Adjustments</b>		\$ 261,181.66	9,807,630						
69	<b>Total MISO</b>		\$ 1,461,423.47	69,362,109						
<b>... TRADE SECRET DATA ENDS</b>										





## CERTIFICATE OF SERVICE

**RE: In the Matter of Otter Tail Power Company's 2012-2013 Annual Automatic  
Adjustment of Charges Report - Electric  
Docket No. E999/AA-13-599**

I, Wendi A. Olson, hereby certify that I have this day served a copy of the following, or a summary thereof, on Dr. Burl W. Haar and Sharon Ferguson by e-filing, and to all other persons on the attached service list by electronic service or by first class mail.

**Otter Tail Power Company  
Reply Comments**

Dated this **10th** day of **November 2014**.

*/s/ WENDIA. OLSON*

Wendi A. Olson  
Regulatory Filing Coordinator  
Otter Tail Power Company  
215 South Cascade Street  
Fergus Falls MN 56537  
(218) 739-8699

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Christopher	Anderson	canderson@allete.com	Minnesota Power	30 W Superior St  Duluth, MN 558022191	Electronic Service	No	OFF_SL_13-599_13-599
Julia	Anderson	Julia.Anderson@ag.state.mn.us	Office of the Attorney General-DOC	1800 BRM Tower 445 Minnesota St St. Paul, MN 551012134	Electronic Service	Yes	OFF_SL_13-599_13-599
Marie	Doyle	marie.doyle@centerpointenergy.com	CenterPoint Energy	800 LaSalle Avenue P O Box 59038 Minneapolis, MN 554590038	Electronic Service	No	OFF_SL_13-599_13-599
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 500  Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_13-599_13-599
Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_13-599_13-599
Michael	Greiveldinger	michaelgreiveldinger@alliantenergy.com	Interstate Power and Light Company	4902 N. Biltmore Lane  Madison, WI 53718	Electronic Service	No	OFF_SL_13-599_13-599
Burl W.	Haar	burl.haar@state.mn.us	Public Utilities Commission	Suite 350 121 7th Place East St. Paul, MN 551012147	Electronic Service	Yes	OFF_SL_13-599_13-599
Douglas	Larson	dlarson@dakotaelectric.com	Dakota Electric Association	4300 220th St W  Farmington, MN 55024	Electronic Service	No	OFF_SL_13-599_13-599
John	Lindell	agorud.ecf@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012130	Electronic Service	Yes	OFF_SL_13-599_13-599
Leann	Oehlerking Boes	lboes@mnpower.com	Minnesota Power	30 W Superior St  Duluth, MN 55802	Electronic Service	No	OFF_SL_13-599_13-599
SaGonna	Thompson	Regulatory.Records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7  Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_13-599_13-599

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Stuart	Tommerdahl	stommerdahl@otpc.com	Otter Tail Power Company	215 S Cascade St PO Box 496 Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_13-599_13-599
Gregory	Walters	gjwalters@minnesotaenergyresources.com	Minnesota Energy Resources Corporation	3460 Technology Dr. NW  Rochester, MN 55901	Electronic Service	No	OFF_SL_13-599_13-599
Robyn	Woeste	robynwoeste@alliantenergy.com	Interstate Power and Light Company	200 First St SE  Cedar Rapids, IA 52401	Electronic Service	No	OFF_SL_13-599_13-599