

## Missouri Public Service Commission

### Respond Data Request

<b>Data Request No.</b>	0071
<b>Company Name</b>	MO PSC Staff-(All)
<b>Case/Tracking No.</b>	EO-2019-0067
<b>Date Requested</b>	4/24/2019
<b>Issue</b>	Other - Other
<b>Requested From</b>	Jeff Keevil
<b>Requested By</b>	Lena Mantle
<b>Brief Description</b>	Lake Road Plant
<b>Description</b>	Please verify that the attached email correctly represents the position of Staff regarding how the Lake Road Plant is represented in Staff's electric rate case fuel model.
<b>Response</b>	The attached email with the subject line, "Staff's Modeling of the Lake Road Plant," correctly represents the position of Staff regarding how the Lake Road Plant was modeled in Staff's electric rate case fuel model for Case No. ER-2018-0146. Response provided by: Charles Poston (Charles.poston@psc.mo.gov).
<b>Objections</b>	NA

The attached information provided to **Missouri Public Service Commission** Staff in response to the above data information request is accurate and complete, and contains no material misrepresentations or omissions, based upon present facts of which the undersigned has knowledge, information or belief. The undersigned agrees to immediately inform the **Missouri Public Service Commission** if, during the pendency of Case No. **EO-2019-0067** before the Commission, any matters are discovered which would materially affect the accuracy or completeness of the attached information. If these data are voluminous, please (1) identify the relevant documents and their location (2) make arrangements with requestor to have documents available for inspection in the **MO PSC Staff-(All)** office, or other location mutually agreeable. Where identification of a document is requested, briefly describe the document (e.g. book, letter, memorandum, report) and state the following information as applicable for the particular document: name, title number, author, date of publication and publisher, addresses, date written, and the name and address of the person(s) having possession of the document. As used in this data request the term "document(s)" includes publication of any format, workpapers, letters, memoranda, notes, reports, analyses, computer analyses, test results, studies or data, recordings, transcriptions and printed, typed or written materials of every kind in your possession, custody or control or within your knowledge. The pronoun "you" or "your" refers to **MO PSC Staff-(All)** and its employees, contractors, agents or others employed by or acting in its behalf.

<b>Security :</b>	Public
<b>Rationale :</b>	NA

**From:** Poston, Charles <Charles.Poston@psc.mo.gov>  
**Sent:** Wednesday, March 6, 2019 3:58 PM  
**To:** Mantle, Lena; Fortson, Brad; Eaves, Dana; Mastrogiannis, Brooke; Beck, Dan  
**Subject:** Staff's Modeling of the Lake Road Plant

All,

I heard that some questions have come up regarding how the Lake Road Plant is represented in Staff's electric rate case fuel model.

There is sufficient boiler capacity at the Lake Road Plant to serve the needs of both the industrial steam customers and the electric customers simultaneously. Staff recognizes that the Lake Road plant is actually consuming fuel almost continuously for the benefit of their industrial steam customers, but that usage does not impact the ability of the turbine-generators to be dispatched for electrical generation. Therefore, the industrial steam business at Lake Road is not modeled in any way and the units at Lake Road are modeled as "electric only." When called upon to generate electricity, additional fuel is used to create the steam needed to run the turbine-generators. It is only that additional fuel that is considered within Staff's electric rate case fuel model.

The rate of fuel consumption is dictated by a power plant's heat rate. A net heat rate curve is associated with each of the Lake Road units. Net heat rates account for the loss of efficiency associated with auxiliary power needs at a generating unit and are consistent with Staff's use of net generating capacities for each power plant unit. Auxiliary power requirements at any power plant represent energy that is not available for customer use.

I hope this clears up the questions that were asked today. If not, please let me know.

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**Chuck Poston, P.E.**  
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