**From:** Romin, Laura
**To:** Amy Defreese
**Cc:** Betsy Herrmann; Larry Crist
**Subject:** Re: Sage Grouse Tall Structure Literature
**Date:** Tuesday, March 12, 2013 10:49:22 AM

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I made a lot of updates to it yesterday, so make sure to pull the version from the z: drive.

On Tue, Mar 12, 2013 at 10:37 AM, Amy Defreese <amy_defreese@fws.gov> wrote:

> This is really great Laura, thanks! I just used it for some comments I sent to BLM on the Energy Gateway South project.
>
> Amy
>
> *Amy Defreese, Ecologist*
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> **From:** Romin, Laura [mailto:laura_romin@fws.gov]
> **Sent:** Friday, March 08, 2013 4:01 PM
> **To:** Defreese, Amy; Betsy Herrmann; Larry Crist
> **Subject:** Sage Grouse Tall Structure Literature
>
> In the most recent draft State sage-grouse Plan, they conclude that transmission lines do not cause indirect effects to greater sage-grouse. They include an Appendix 1 that reviews existing literature - however, Appendix 1 really only analyzes LeBeau 2012 which was primarily a wind turbine study.

I have made a good start on going through the available tall structure literature. I have created a table on the z: drive that we can add to as we find more information. I am still working on the oil and gas literature and will update the table next week with the available literature.

Most of the literature shows some type of indirect effects from transmission lines and oil and gas development (i.e., tall structures). Granted, the literature could be more robust, but the information is there.

I've attached my table here...you can also find it (to add to it) at z:/endangered species/species/birds/greater sage grouse/literature/tall structure literature table.

I've also saved all of the relevant literature to the z:/drive in the same location

Note - it will be good to ensure that BLM includes this available literature in their Impacts Analysis.

Laura.

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