



**Richard Davis/R3/FWS/DOI**

07/30/2012 11:52 AM

To Patrick Smith <Patrick@geronimowind.com>

cc Margaret Rheude/R3/FWS/DOI@FWS

bcc

Subject Re: Black Oak/Paynesville Follow Up 

Who	Date	Time	Subject

Hi Patrick,

I was able to talk things through last week with one of our Eagle Biologists in East Lansing. Currently, the approach is to recommend project developers pursue a non-intentional take permit for eagles if the project is anticipated to take one bald eagle throughout the life of the project. The calculation of take can be completed utilizing the Service's model, or another accepted model.

As for the reduction in estimated take by moving turbines; the way I understand the model, you would likely only see a reduction in take if you were to remove turbines from the layout as this would reduce your project area. I'm still trying to get my head around that part of the modeling myself.

I believe there was also a question wondering if the loss of an eagle is factored into the following years model calculation for take? At this point it sounds as if the model is not at a fine enough scale to accurately account for that loss. I believe, part of the difficulty there is that you would have to be able to know which eagle was taken, and in turn know the amount of time that individual eagle spent within the project area.

I hope this information is helpful, and let me know if I can be of further assistance.

Thank you,  
Rich

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**Patrick Smith**  
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07/26/2012 05:21 PM

To "Richard Davis (Richard\_Davis@fws.gov)"

<Richard\_Davis@fws.gov>

cc

Subject Black Oak/Paynesville Follow Up

Hi Rich,

Just wondering if you had a chance to follow up internally on the eagle questions we had at our meeting.

Best,

Patrick

Patrick Smith  
Dir. of Environmental Planning

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