

AWEA Updates

Region 8 Golden Eagle Working
Group Meeting
February 20, 2019

Wind Wildlife Research Fund

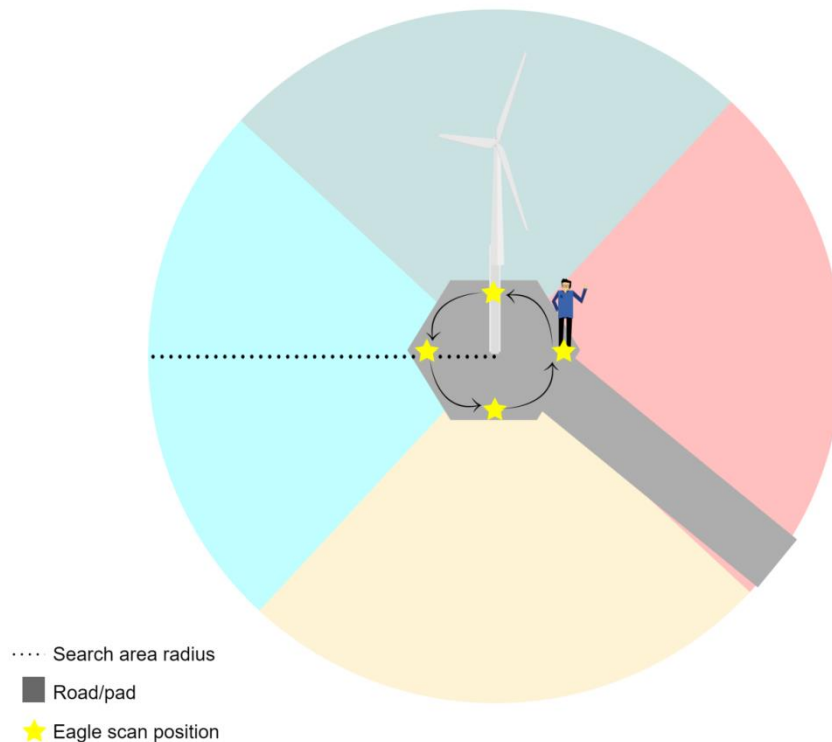
- AWEA sponsored and administered through AWWI
- Method of funding projects still in the works
- 2019 projects to be funded in process
- 2020 projects should be decided by the end of 2019
- Project proposal can be submitted to Taber Allison of AWWI
- May be calls for proposals

Post-construction Fatality Monitoring for eagles

- Strategy used for eagles is different than “standard” fatality monitoring, in part because of the use of Evidence of Absence
- Wind industry evaluating different fatality monitoring options
- Developing an efficient protocol for monitoring eagle fatalities at wind energy facilities – Hallingstad et al. 2018. PlosOne
 - <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0208700>

What is an eagle scan?

- Observers stand on the edge of the turbine pad and scan out to the plot edge in all four cardinal directions



Searcher Efficiency

Project	Year	Searcher Efficiency
Juniper Canyon	Easy	74-94%
	Moderate	33-78%
	Difficult	29%
Big Horn I and II	Easy	86-98%
	Moderate	39-74%
	Difficult	5%
Shiloh I	Easy	97%
	Moderate	58%

Fig 4. Examples of visibility classes present with search plots.



Hallingstad EC, Rabie PA, Telander AC, Roppe JA, Nagy LR (2018) Developing an efficient protocol for monitoring eagle fatalities at wind energy facilities. PLOS ONE 13(12): e0208700. <https://doi.org/10.1371/journal.pone.0208700>
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0208700>

Overall probably of detection during a 30 day search interval

Project	Year	Overall Probability of Detection
Juniper Canyon	2013	0.54
Juniper Canyon	2015	0.63
Big Horn I and II	2014	0.50
Big Horn I and II	2015	0.52
Shiloh I	2015	0.69

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Raptor vs. Gamebird Persistence for 30 days

Project	Year	Gamebird	Raptor
Juniper Canyon	2013/2014	0.18	0.61
Juniper Canyon	2015	0.34	0.62
Shiloh I	2015		0.79