

**Programmatic Biological Assessment Species Consistency Evaluation Form
Upper Great Plains Region Wind Energy Development Program
Impact Information and Consistency Determination**

Piping plover (*Charadrius melodus*)

Project Name: _____

Company: _____

Best Management Practices

- All general BMPs, as stated in the final *Programmatic Environmental Impact Statement for the Upper Great Plains Region Wind Energy Program* and table 4.5-1 of the final *Programmatic Biological Assessment for the Upper Great Plains Region Wind Energy Program*, will be implemented where appropriate, during each phase of the project (i.e., site characterization, construction, operations, and decommissioning). Although not all-inclusive, several of the more important BMPs for the conservation of this species follow.

- Meteorological towers shall not be located in sensitive habitats or in areas where resources known to be sensitive to human activities (e.g., wetlands, cultural resources, and listed species) are present. Installation of towers shall be scheduled to avoid disruption of wildlife reproductive activities or other important behaviors, and the disturbed area will be minimized.

- The use of guy wires on meteorological towers shall be avoided or minimized. Any needed guy wires shall have guys appropriately marked with approved bird flight diverters.

- Place marking devices on any newly constructed or upgraded transmission lines, where appropriate, within suitable habitats for sensitive bird species.

Species-Specific Avoidance Measures

- Conduct preconstruction evaluations and/or surveys in areas of potential occurrence to identify suitable habitat and areas of occurrence within project boundaries.

- Do not site turbines, access roads, transmission lines, or other project facilities within the Missouri (including Niobrara River) and Yellowstone River system floodplains or any closer than 1.5 mi (2.4 km) from known/suitable sandbar habitat and reservoir shorelines with nesting, resting, and foraging areas.

- Do not site turbines, access roads, transmission lines, or other project facilities within the Platte River (including Loup and Elkhorn Rivers) system floodplain or any closer than 1.5 mi (2.4 km) from known/suitable riverine habitat.

- Do not site turbines, access roads, transmission lines, or other project facilities within 1.5 mi (2.4 km) of known sandpit nesting, resting, and foraging areas along the Platte River (including Loup and Elkhorn Rivers) system.

- Do not site turbines, transmission lines, access roads, or other project facilities within 3.0 mi (4.8 km) of alkali lakes where piping plover nesting has been documented or those designated as critical habitat.

- Do not site turbines, transmission lines, access roads, or other project facilities in between any alkali lakes identified with a 3.0 mi (4.8 km) buffer where the outer limit of the buffer zones are less than 3.0 mi (4.8 km) apart.

- Do not site turbines, transmission lines, access roads, or other project facilities within 1.5 mi (2.4 km) of riverine designated critical habitat or 3.0 mi (4.8 km) of alkali wetlands designated as critical habitat.

Species-Specific Minimization Measures

Additional minimization measures specifically intended to reduce the potential for adverse effects on the piping plover have not been identified at this time. The identified avoidance measures together with general BMPs to reduce ecological impacts from wind energy under the proposed program adequately address the conservation measures for this species.

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Impact Information

Project within county with recorded piping plovers?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Preconstruction evaluations conducted with USFWS?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Dates: _____
Parties involved: _____			
Suitable habitat in or near project footprint?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Distance from suitable riverine, reservoir, or alkali lake habitat:	_____	Miles	
Distance from designated critical habitat:	_____	Miles	
Has habitat been surveyed to protocol?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Dates of survey: _____
Result of survey:	<input type="checkbox"/> Occupied (species detected)	<input type="checkbox"/> Not occupied (species not detected)	
New overhead distribution/transmission lines proposed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Distance from occupied piping plover habitat:	_____	Miles	
Marking with bird flight diverters proposed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Map of project footprint and species habitat attached?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	

Effects—Explanation of consistency determination with programmatic effects determination of "may affect, not likely to adversely affect" or "no effect":