

Limit conversation to impacts of energy development on PIPL

Threats and Solutions for Recovery Team

Problem	Type	Measureable & Thoughts	Season
1 Increased Traffic (disturbance, and dust)	O, W	Minimize Roads (miles); identify corridors to minimize impacts	B
2 Lack of understanding of impact of wind on PIPL	W	Info needs: monitoring wind farms to determine direct mortality; indirect effects (Behavior, habitat avoidance)	B M W
3 Potential for spills (oil and brine)	O	Siting specifics; horizontal drilling wetlands/streams; installation of pipeline flow monitors for minimizing spill duration; minimize bird direct contact with brine; Solid baseline on survival/vital rates pre/post-spill	B M W
4 Water Usage (drawdown surface wetlands; groundwater, wetland drainage for biofuels; impacting dry run water flows)	O	Habitat Loss; real threat, not hypothetical	B M
5 Lack of consolidated info to guide site selection	W, O, T	Planning to guide federal, NGO; MOU for data sharing	B M W
6 Landscape Fragmentation	W, O, T	see 1	B
7 PIPL attracted to roads and pads for nesting	O, W	In high risk areas make sites less attractive to plovers (sound BMPs)	B
8 Communication Blame Game	O, W, H, T	Tap into PR (external affairs) expertise for communication/education with public	B
9 Data needs/unanswered ?? About impacts	O, W, H	Prioritize data gaps at population levels, and vital rates	B M W
10 Water Mgmt/power peaking	H	Direct impact; measure egg and chick loss; measure habitat loss	B
11 Cumulative effects of all problems	O, W, H, T	(too large - skip)	
12 Lack of understanding of migratory patterns	O, W, H, T	see 9	
13 How will climate change act as a cumulative effects?	O, W, H, T	Direct physiological impacts, egg/nest, chick survival; direct habitat impacts, measure habitat change	B M W
14 Piecemeal environmental review	O, W, H, T	Rangewide assessment of cumulative impacts of energy; Wind Energy HCP as opportunity to assess; Tie into broader group involved with environmental review of energy development; encourage info sharing; (Oil HCP?)	B M W
15 Long term contamination effects	O M	Arsenic mines (Homestake/Cheyenne River) & Oil process; Bird, Egg contamination; developmental impacts; vital rates (egg/chick/adult)	B

[Oil (O); Wind (W); Hydropower (H); Transmission Lines (T); Mining (M)]

[Breeding (B); Migration (M); Winter (W)]

Opportunities

- 1 Wind HCP - must include impact offsets
- 2 State agency involvement unclear, but opportunity to project green image; Wind Wildlife work
- 3 Justification for more systematic monitoring of PIPL
- 4 Some companies welcome specific mitigation suggestions; Funding for mitigation fund (oil/wind)?