## SITE WIND RIGHT

Mapping Low-Risk Wind Energy Development in the Great Plains & Midwest



Briefing for Prairie State Conservation Coalition

1 March 2018

### The Conservation Conundrum

**Species Protection** 

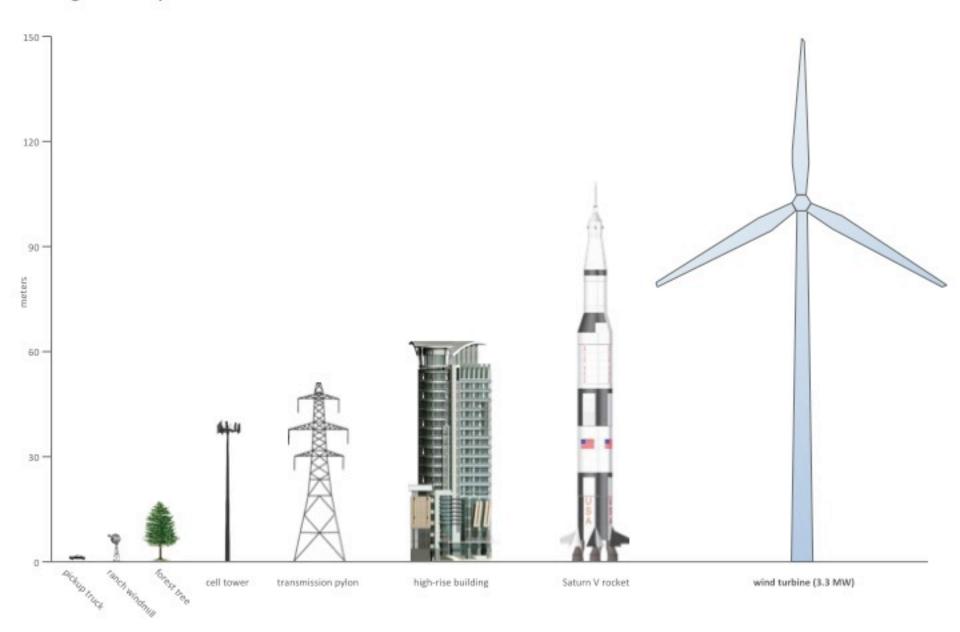


Climate Change and Renewable Energy





#### Height comparison





# SITE WIND RIGHT www.sitewindright.com

☐ Free online GIS mapping tool for use by all wind energy stakeholders

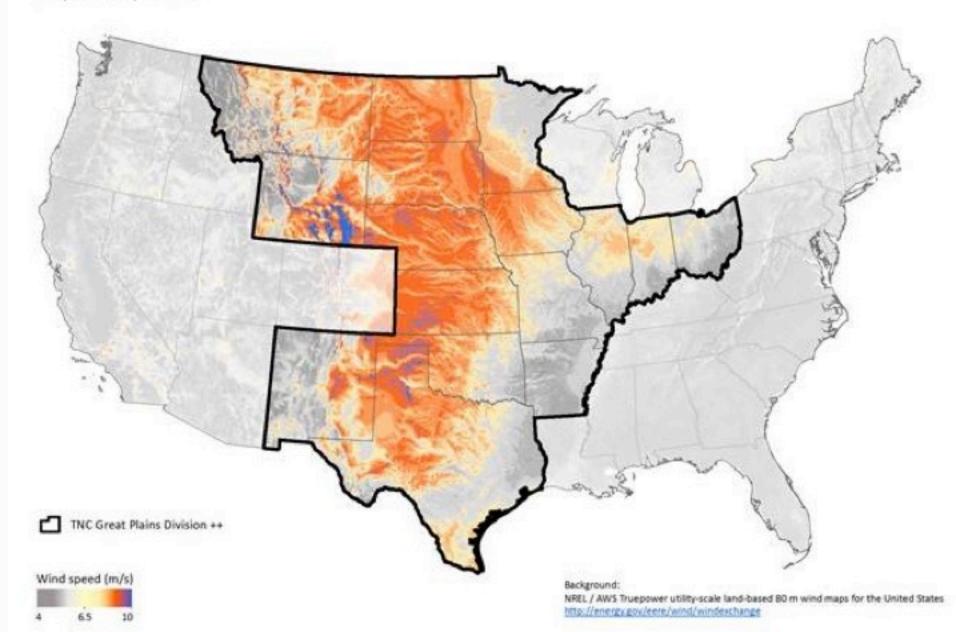
Aims to minimize wildlife impacts, avoid costly conflicts

■ Being expanded across the 17 high wind states





#### Low-Risk Wind Assessment Proposed Expansion

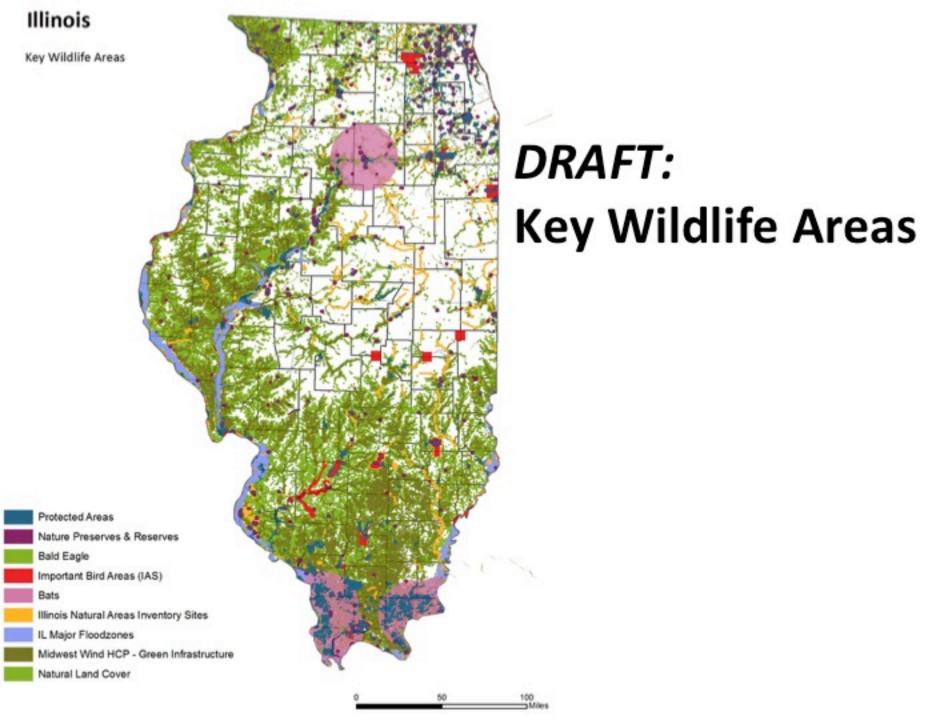


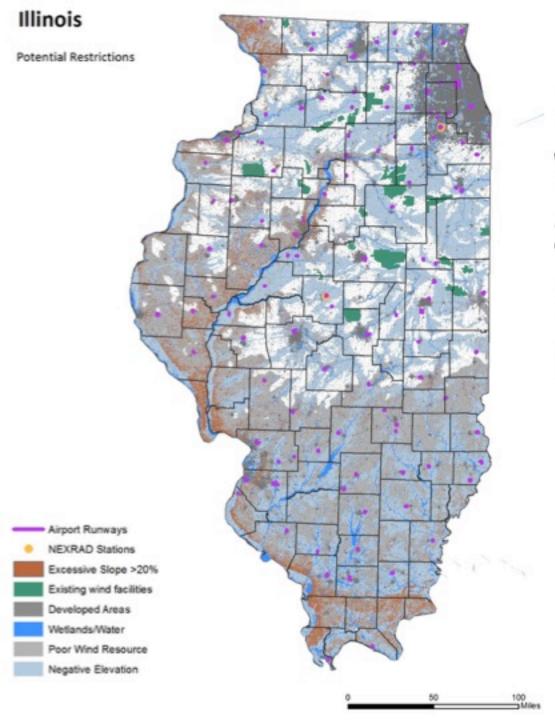
#### Plans Reviewed and Data Sources Used

Midwest Wind Energy Multi Species Habitat Conservation Plan
IDNR Recommendations
USFWS management guidelines
Audubon Important Bird Areas
Siting Restrictions, Wind Resource, and Engineering
Restrictions

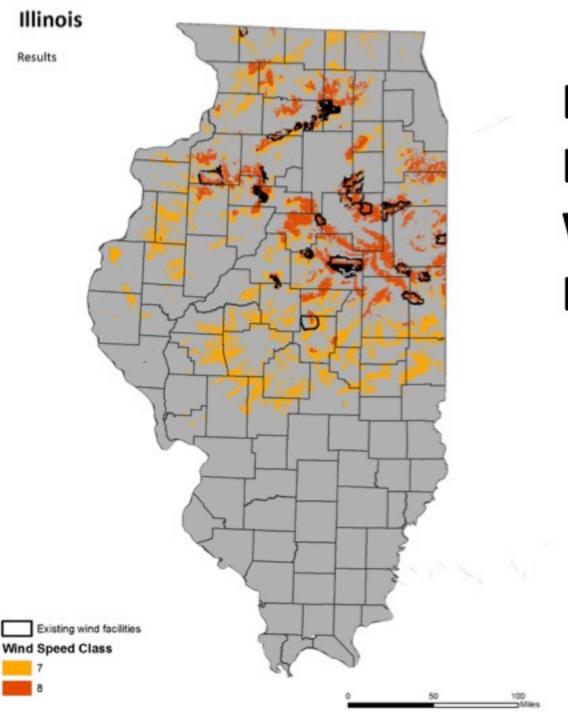
#### **Conservation Targets**

- Important Bat hibernacula 20 mile buffer
- Bald Eagle Nesting Sites 1.6 km buffer
- Major Floodplains Mississippi, IL, Ohio, Wabash Rivers
- Midwest Wind Energy MSHCP Green Infrastructure Network
- Nature Preserves 1 mile buffer, Land & Water Reserves − ½ mile buffer
- Protected land (Private, County, Federal, State) 500 ft buffer
- Audubon Important Bird Areas
- ❖ Illinois Natural Areas Inventory sites ½ mile buffer
- Natural Land Cover To Be Reconciled Across States





DRAFT:
Wind Resource,
Siting &
Engineering
Restrictions



DRAFT: Low-Risk Wind Energy Development

## Our Request

- Do we have the critical data?
- Spread the word: county boards, utility companies, wind developers, consumer groups, fellow conservationists



#### Expansion published via web app Summer 2018

## www.sitewindright.com

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\*revised 8/25/2017\*

This product was developed for general use in the siting of wind energy facilities. It is NOT intended to replace consultation with relevant federal and state wildlife agencies regarding potential impacts to protected species. The Nature Conservancy makes no warranty regarding the accuracy or completeness of the information provided herein.

To download data for offline use, click the La icon at top right

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