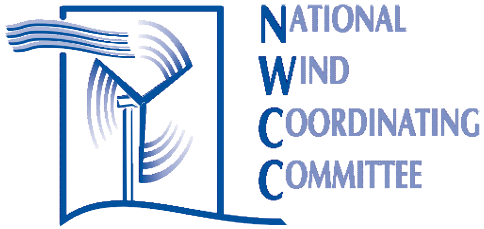


# **National Wind Coordinating Committee**

## **Collaborative Overview & Activities Summary**

**November 28, 2006**

**Prepared by NWCC Staff, RESOLVE**



# Presentation Overview

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- Background on RESOLVE, Inc. and relation to NWCC
- NWCC Mission
- NWCC Structure
- Wildlife Workgroup
  - Mission
  - Core Group
  - Subgroups & Activities
- NWCC Wildlife Research Meeting VI
- Regional Activities
- Contact Info



# RESOLVE

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- Since 1977, a non-profit dispute resolution organization
- With expertise in the full range of "alternative dispute resolution" and consensus-building processes and a commitment to understanding how these tools can enhance public decision making.
- Operating from Portland, Oregon and Washington DC
- Since 1994, RESOLVE has managed & facilitated the National Wind Coordinating Committee

# RESOLVE

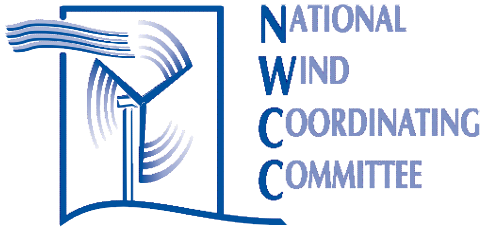
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## What does RESOLVE do?

- Provides strategic advice on collaboration and stakeholder involvement to produce results
- Promotes effective use of consensus building processes in energy, environmental, and public health issues.
- Deals effectively with complexity -- multiple parties, multiple issues, technical depth public/private sector, and political visibility

## Sample Projects:

- National Action Plan on Energy Efficiency
- California Energy Commission Wind/Wildlife Guidelines
- International Association of Oil and Gas Producers Workshop on Sound and Marine Life
- National Geothermal Collaborative
- Offshore Wind Energy Collaborative
- And many others

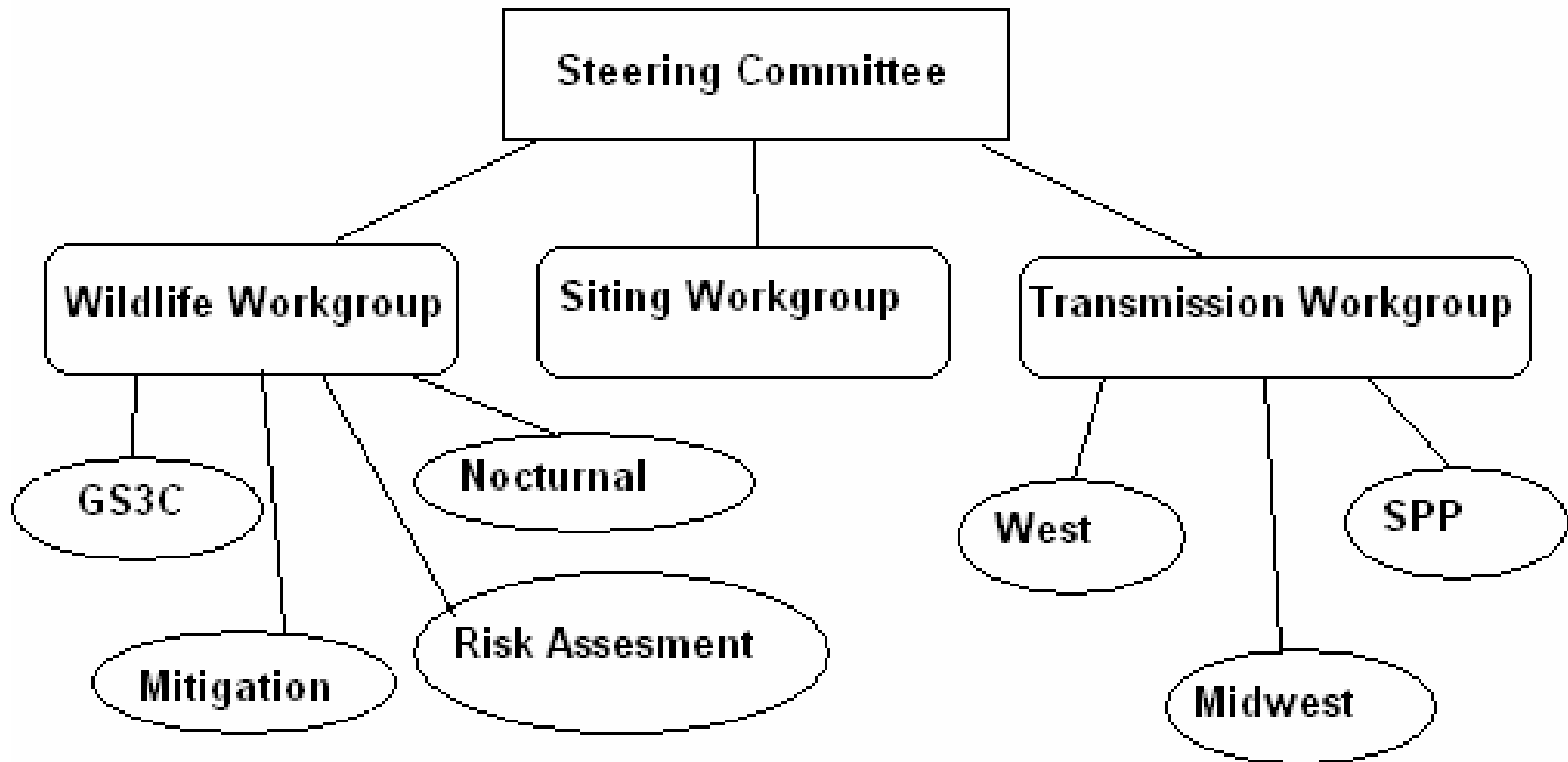


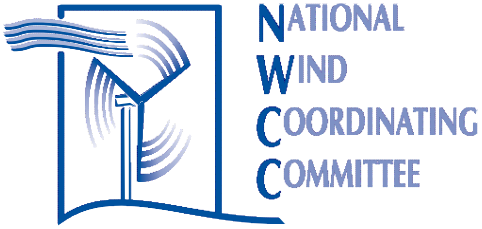
## NWCC Mission

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A U.S. consensus-based collaborative formed in 1994, the **National Wind Coordinating Committee (NWCC)** identifies issues that affect the use of wind power, establishes dialogue among key stakeholders, and catalyzes appropriate activities to support the development of environmentally, economically, and politically sustainable commercial markets for wind power.

# Structure of NWCC





# NWCC Wildlife Workgroup

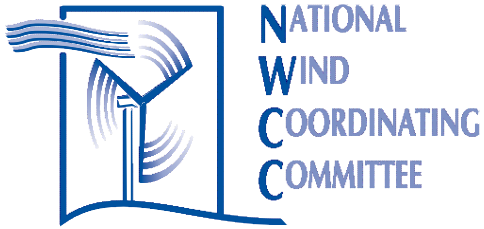
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- Mission  
To define, discuss, and address wind-wildlife interaction issues, involving all stakeholders, to help provide a foundation of information for decision makers.
- Representatives from
  - Environmental Organizations
  - Federal Government
  - Permitting Agencies
  - State Government
  - Tribal Government
  - Utilities and Utility Regulators
  - Wind Industry
  - Consultants

## Workgroup Goals

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- Provide a forum where issues can be raised
- Identify needed research
- Seek research funds
- Provide a vehicle for regular communication among players so that information about specific wildlife/wind interaction incidents, research, new reports, is made available to all involved
- Produce reports
- Sponsor meetings on research being conducted in the US and abroad
- Address how to improve credibility of research that is conducted
- Other activities as determined needed by the committee members



# Core Group

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## Environmental & Conservation Organizations

Tim Cullinan, Washington State Audubon  
(Michael Fry, American Bird Conservancy)

Jeff Deyette, Union of Concerned Scientists (Steve  
Clemmer, UCS)

Caroline Kennedy, Defenders of Wildlife (Aimee  
Delach, Defenders)

Shalini Gupta, Izaak Walton League

## Federal Agencies

### *U.S. Fish & Wildlife Service*

Albert Manville, USFWS (Robert Willis, USFWS)

Alex Hoar, USFWS (Michael Green, USFWS)

### *U.S. Department of Energy*

Laura Miner, DOE (Ed DeMeo, Renewable  
Energy Consulting Services)

### *National Renewable Energy Laboratory*

Bob Thresher, NREL (Karin Sinclair, NREL)

### *Bureau of Land Management*

Rick Stamm, BLM

## International

Melanie Cousineau, Canadian Wildlife Service  
(Martin Damus, CWS)

## State Governments & Agencies

Linda Spiegel, California Energy Commission

Steve Ugoretz, Wisconsin Department of Natural  
Resources (Deb Hahn, AFWA)

## Tribal Government

Vacant as of this time

## Utilities & Utility Regulators

Noel Cutright, We Energies

Jim Lindsay, FPL Energy

## Wind Industry

Tom Gray, American Wind Energy Association  
(Laurie Jodziewicz, AWEA)

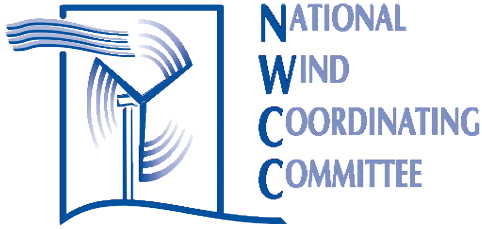
Sam Enfield, PPM (Andy Linehan, PPM)

Chris Taylor, Horizon Wind (Wayne Walker,  
Horizon)

# Subgroups

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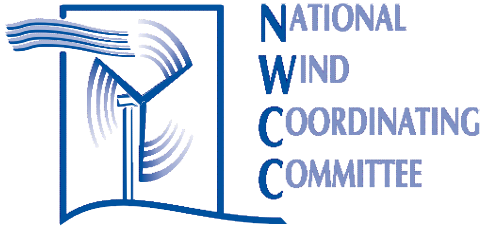
- Subgroups
  - Grassland/Shrub Steppe Species
  - Mitigation Toolbox
  - Nocturnal Methods and Metrics
  - Risk Assessment
  - Research Priorities (formerly Gaps)



# Grassland / Shrub Steppe Species Collaborative (GS3C)

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- 4-year, \$630K study on *Effects of Wind Power on the Demography and Population Genetics of the Greater-Prairie Chicken*
- Critical literature review on avian grassland/shrub steppe species and wind projects
- Grassland songbirds monitoring protocol



# Mitigation Toolbox

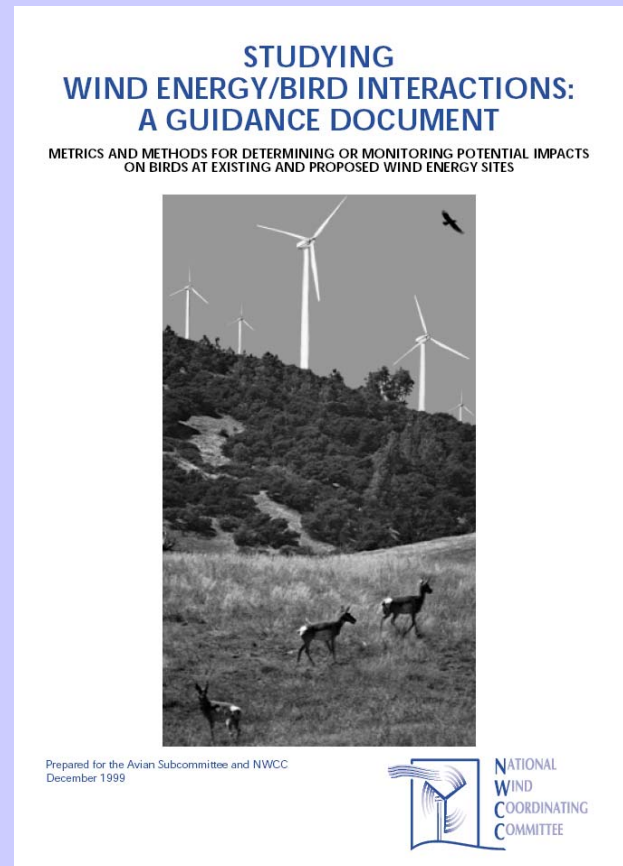
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- A reference that provides up-to-date information on mitigation measures and their effectiveness including
  - Avoidance
  - Minimization
  - Compensation



# Nocturnal Methods & Metrics

Create a companion document to the existing *Studying Wind Energy/Bird Interactions: A Guidance Document* with expanded information on methods & metrics for nocturnal species



# Research Priorities

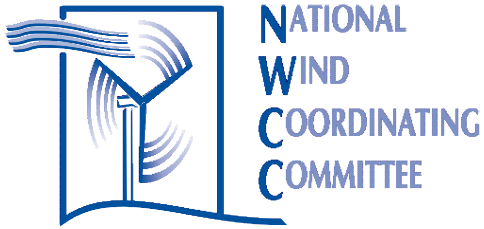
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- Developed a draft white paper on priority research needs for evaluating impacts of wind power development on wildlife & habitat
- White paper presented in draft form for discussion at the NWCC Wildlife Research Meeting VI, Nov 14-15, 2006 in San Antonio, TX

# Risk Assessment

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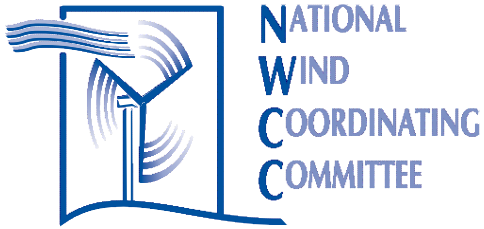
- In 2005, drafted a white paper on the applicability of ecological risk assessment to wind power development. Draft white paper online at <http://www.nationalwind.org/workgroups/wildlife/>
- Panel on risk assessment at NWCC wildlife meeting in San Antonio



# NWCC Wildlife Research Meeting VI

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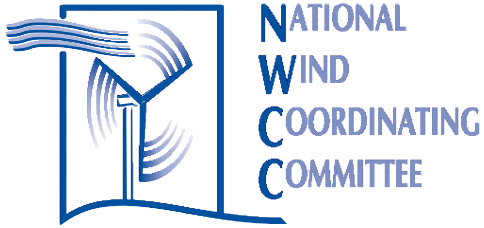
- Nov 14-15 in San Antonio, TX; 6<sup>th</sup> conference convening U.S. and international wildlife and wind power researchers, and other interested stakeholders, to discuss the state of the science
- On Nov 16<sup>th</sup>, NWCC Wildlife Workgroup Core Group met to evaluate its workplan for 2007 & beyond
- Presentations & participant list online at <http://www.nationalwind.org/events/wildlife/2006-3/default.htm>.



# Regional Activities

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- State Siting Guidelines Fact Sheets
- Issue Forums
  - Wind Energy & Air Quality: Lansing, MI
  - Wind Energy Contributions in a National Energy Strategy: Wash. DC
  - Wind Power & Radar Interaction: Reno, NV
- Regional Transmission Workshops
  - West, Midwest, & Southwest Power Pool



# Contact Information

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NWCC website

[www.nationalwind.org](http://www.nationalwind.org)

RESOLVE website

[www.resolve.org](http://www.resolve.org)

NWCC Staff

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Madeleine West

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