



NATIONAL
WIND
COORDINATING
COMMITTEE

Overview of
National Wind Coordinating Committee
South Dakota Wind Power Conference II

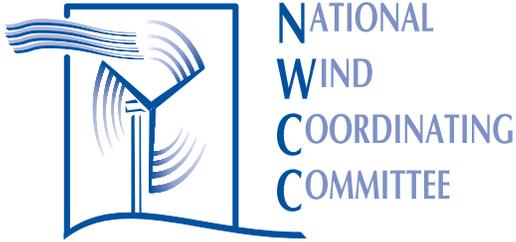
Jay Haley, EAPC Architects Engineers

Member of the NWCC

October 29-30, 2001

(888) 764-WIND

www.nationalwind.org



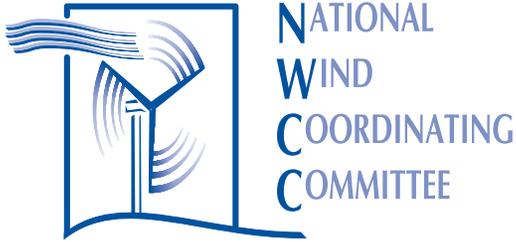
Purpose of Presentation & National Wind Coordinating Committee Mission

Purpose of Presentation

- Overview of the NWCC collaborative project: including purpose, wind issues addressed by the NWCC's subcommittees, and recent products.

Mission of NWCC

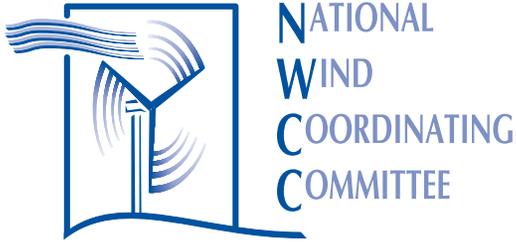
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- **Barrier reduction to smooth the way for wind development.**
 - National multi-stakeholder collaborative to foster dialogue on key wind energy issues.
 - Identify issues and catalyze activities that address barriers to wind development and help build environmentally, economically, and politically sustainable markets for wind energy.
 - Build consensus where possible on key wind issues.



National Wind Coordinating Committee: Core Activities

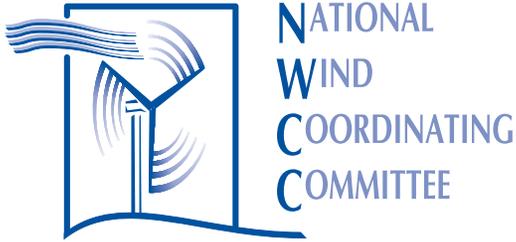
Core Activities

- Peer-to-Peer **dialogue** through working groups, business meetings, and expert workshops.
- Conduct substantive **research** projects reflecting diverse perspectives.
- **Outreach** to broad audiences via stakeholder forums, information dissemination, and web site.



Who Participates in the National Wind Coordinating Committee?

- **Wind Industry Executives**
- **Electric Utility Representatives**
- **Environmental Advocates**
- **Power Marketers**
- **Utility Regulators**
- **Local, Regional, State, Tribal, and Federal Agency Officials**
- **State Legislators**
- **Consumer Advocates**
- **Agriculture and Economic Development Professionals**



Key Wind Issues Addressed by NWCC Subcommittees

Avian-Wind Interactions

- A forum to define, discuss, and address wind-avian interaction issues, involving all stakeholders and focusing on technical questions.
- When requested, an advisory group for national research on wind-avian issues.

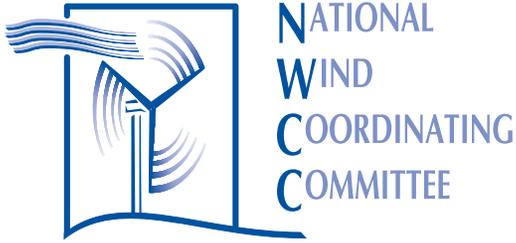
Avian Wind Publications

Studying Wind Energy/Bird Interactions: A Guidance Document (1999)

Avian Collisions with Wind Turbines: A Summary of Existing Studies and Comparisons to Other Sources of Collision Mortality in the United States (2001)

NWCC Avian-Wind Fact Sheet - forthcoming (2001)

Proceedings of National Avian-Wind Power Planning Mtgs I - IV



Key Wind Issues Addressed by NWCC Subcommittees

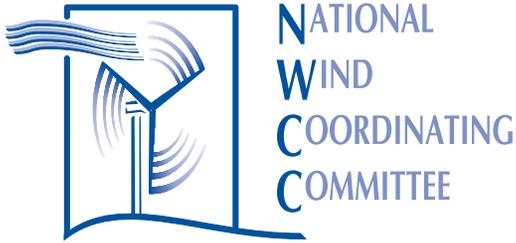
Siting and Permitting

- A forum for the discussion of siting issues, such as environmental impacts, permitting approaches and zoning questions.

Siting Publications

Permitting of Wind Facilities: A Handbook (1998)

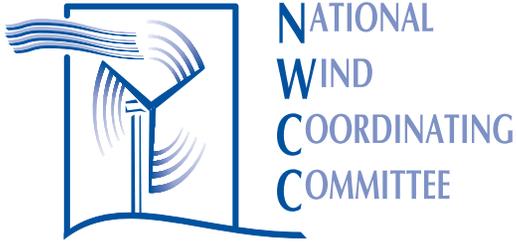
A revised edition will be published in early 2002.



Key Wind Issues Addressed by NWCC Subcommittees

Transmission

- Wind resources may be affected differently than conventional generation by new electric industry rules, because of inherent characteristics such as their location dependence, intermittancy, and low capacity factor.
- NWCC publications, workshops, and outreach raise and explore electric system operation and transmission-related issues of special importance to existing and new wind resources, e.g. transmission pricing and scheduling issues, RTO operation, and long-term planning.
- Develop information to promote a level playing field for wind in the context of changing markets and policies.
- Numerous publications are available on line.



Key Wind Issues Addressed by NWCC Subcommittees

Green Power Markets

- Examine residential and non-residential customer demand for green power. Papers educate readers on how green markets may impact wind development and how to sell wind in the market for green power.

Credit Trading

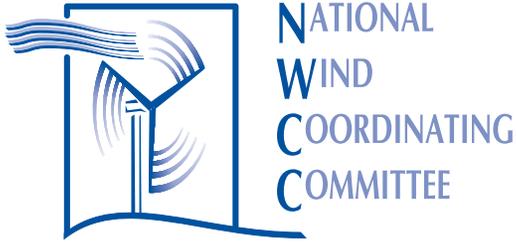
- The subcommittee tries to understand markets for and policies relevant to wind attribute transactions, explain these to the NWCC and relevant stakeholders, and encourage wind to capture the value available in those policies and that market.

Green Power Marketing and Credit Trading Publications

Consensus NWCC Credit Trading Opportunities and Guidelines (2001)

Credit Trading and Wind Power: Issues & Opportunities (2001)

Understanding Non-residential Demand for Green Power (2001)



Key Wind Issues Addressed by NWCC Subcommittees

Distributed Generation

- Examine options for distributed wind deployment in the U.S. and address related issues.

Publications:

Distributed Wind Assessment (2001)

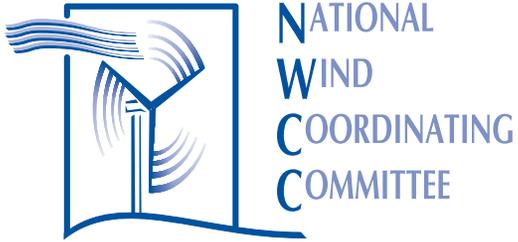
Economic Development

- Explore the economic costs and benefits to local communities of wind development.

Publications:

NWCC Economic Development Guidelines for Assessing the Economic Development Impacts of Wind Power (2001)

Case Studies on the Economic Development Impacts of Wind Power (forthcoming 2002)



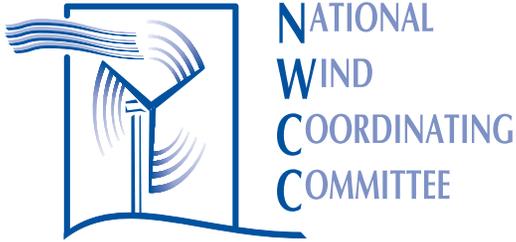
Key Wind Issues Addressed by NWCC Subcommittees

General Wind Issues

Wind Energy Issue Papers and Briefs (1997)

State Policy Options

*Strategies for Supporting Wind Energy: A Review and
Analysis of State Policy Options (1999)*



NWCC Member Feed-back

“As one of the largest purchasers of wind energy in the United States, we participate in the NWCC to help guide the development of wind generation. Our role in the NWCC is to assure that our customers have economical choices for electricity.” **-Utility Executive**

“The benefit of the NWCC is providing a forum for divergent views to be freely exchanged. The strength of the NWCC is the ability to forge these divergent views into a broad consensus.”

-Wind Industry Member

“NWCC’s regional wind power Summits bring together key local stakeholders to collaborate on various policy and technical issues related to wind power. As a result of the forums, our outreach efforts in the Midwest and Rocky Mountain West gained traction and strength.”

-Environmental Member

Summary and Lessons Learned

- **Policy, technical, and economic barriers to wind power are both real and perceived.**
- **NWCC is a forum to proactively address these barriers and smooth the process for introduction, expansion, and acceptance of wind power.**
- **All NWCC publications, links to major wind sites, and calendar of wind events available on our website: www.nationalwind.org**