Wind Power Session
Washington APA Conference
November 2009
Presented By:
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RENEWABLE ENERGY: WHAT’S NOT TO LIKE?

ALTERNATIVE ELECTRIC GENERATING PLANT

GIANT POLYESTER BLANKET
(RUBBED AGAINST) GIANT WOOL BLANKET

*(WORKS BEST IN COLD WEATHER)* SINGER
Temperatures Are Rising...

CO₂ Concentrations and Temperature Correlation

Global Temperatures
CO₂ (ice cores)
CO₂ (Mauna Loa)

Year AD

Source: Woods Hole Research Center
Climate Change
Wind Project Siting Challenges/Hurdles

- Public
- Utilities/RPS
- Affected Land Owners
- Environmental Organizations
- Tribes
- Wind Industry

-Challenges/Hurdles:
  - Indian Lands
  - Military
  - T&E Species
  - Wetlands
  - Noise
  - Visual
  - Radio Interference
  - Wilderness, Parks, Refuges, etc.
  - Avian/Bat
  - Cultural/Tribal Resources
  - Unwilling Landowners
  - Community/Political Sentiment
  - Constructability
  - Proximity to Load
  - Transmission
  - Buyer/PPA
  - Wind

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Thursday, December 10, 2009
Wind Turbines—Big and Visible

**FIGURE 2-2**

**TYPICAL WIND TURBINE DIMENSIONS**

- **HH:** Hub height
- **RD:** rotor diameter
- **TC:** tower clearance
- **TH:** tip height

max 65 turbines
330-foot turbine scenario

max 65 turbines
410-foot turbine scenario

Source: Shapiro Power Partners LLC 2003a

KETTLE VALLEY WIND POWER PROJECT BS
Birds
More Birds
Spotted Owl
Bats
Noise you can’t hear
Agricultural Impact
State Preemption
“Opting in” to State Siting through the Washington Energy Facility Site Evaluation Council
• The Preemption Problem and the Conundrum of Local “Consistency”
• The Preemption Problem and the Conundrum of Local “Consistency”
• Washington’s Tradition of Local Control
Chapter 463-28
State Preemption

WAC 463-28-060 Adjudicative proceeding.
(1) Should the council determine under WAC 463-26-110 a site or any portions of a site is inconsistent it will schedule an adjudicative proceeding under chapter 463-30 WAC to consider preemption.

(2) The proceeding for preemption may be combined or scheduled concurrent with the adjudicative proceeding held under RCW 80.50.090(3).

(3) The council shall determine whether to recommend to the governor that the state preempt the land use plans, zoning ordinances, or other development regulations for a site or portions of a site for the energy facility or alternative energy resource proposed by the applicant.
Washington – Safe at Any Speed?