Wind For Schools
What Does it Take?
Idaho National Laboratory

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Wind for Schools in Idaho

WFS

It is about Education!
Energy For Educators and Resources

www.energyforeducators.org

www.eere.energy.gov/windandhydrowww.windpoweringamerica.gov/schools.asp

www.kidwind.org

www.need.org

www.sde.idaho.gov/site/istem
Wind for Schools

20 x 2030 – a goal that education can help achieve

Teamwork:

• K12 students
• Community (parents, P & Z, etc)
• Administrators
• Utility
• University
• Engineering students
Successful projects Require Participation:

• Wind Resource
• Strong teacher/ champion
• School & District Support
• Money and/or good community support network
• Education and energy curriculum [www.energyforeducators.org]
State Level Technical Resource:

Wind resource analysis
Wind turbine siting/placement
System design technical assistance

Recommended tower height (topography, local zoning regulations, wind resource, etc.)

Recommended wire sizes

Type of foundation

Utility interconnection technical support

Technical assistance in permitting

Assist with grant applications

Partner with State Education

Align curriculum with standards
Time Line Example

Details, details, details;
• Project plan
• Schedule
• Cost
• Source of funds
• Donations and supporting contractors
• Who will manage
• Who will maintain
INL – Wind For Schools

- Project Goals
- “windinterface”
- Operating requirements
- Data stored to DB
- Wind-for-Schools Server
- Users Group
- Additional Tools
- Installation
- Become a Participant
Even if you do not have a turbine, your students can benefit

Integrated Curriculum and real life data

Predict and compare

Connect - Participate
Wind for Schools

One of many examples
Widget Applications

- **PC – Yahoo Widget Engine**
  - [http://widgets.yahoo.com/download/](http://widgets.yahoo.com/download/)

- **Mac – Dashboard Widgets** (Mac OS X 10.4.6 or higher)

Graph and information buttons launch to default browser.
iPhone web App


Requires a mobile browser with Webkit and Javascript support
Participate

• If you wish to participate in this program as a wind turbine data provider, or if you would like additional information contact via email

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You Can Make A Difference

Questions?

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