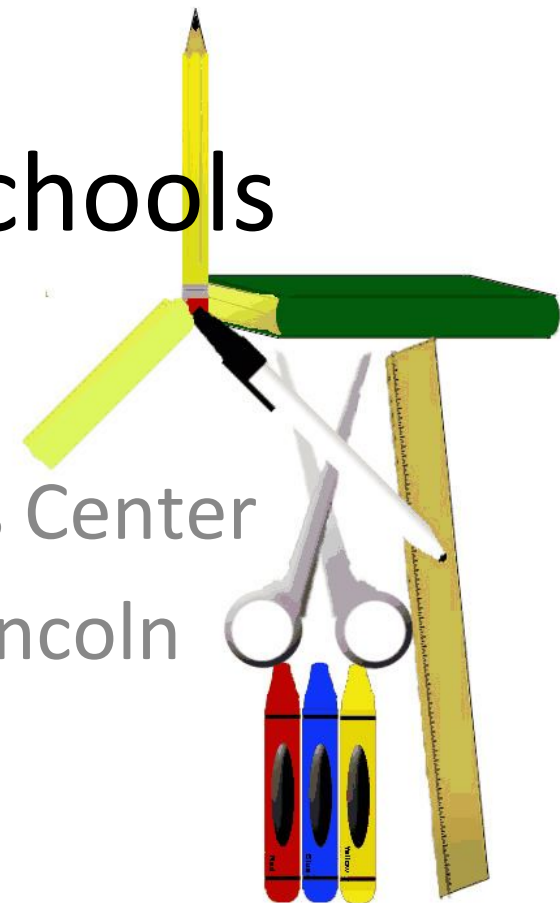


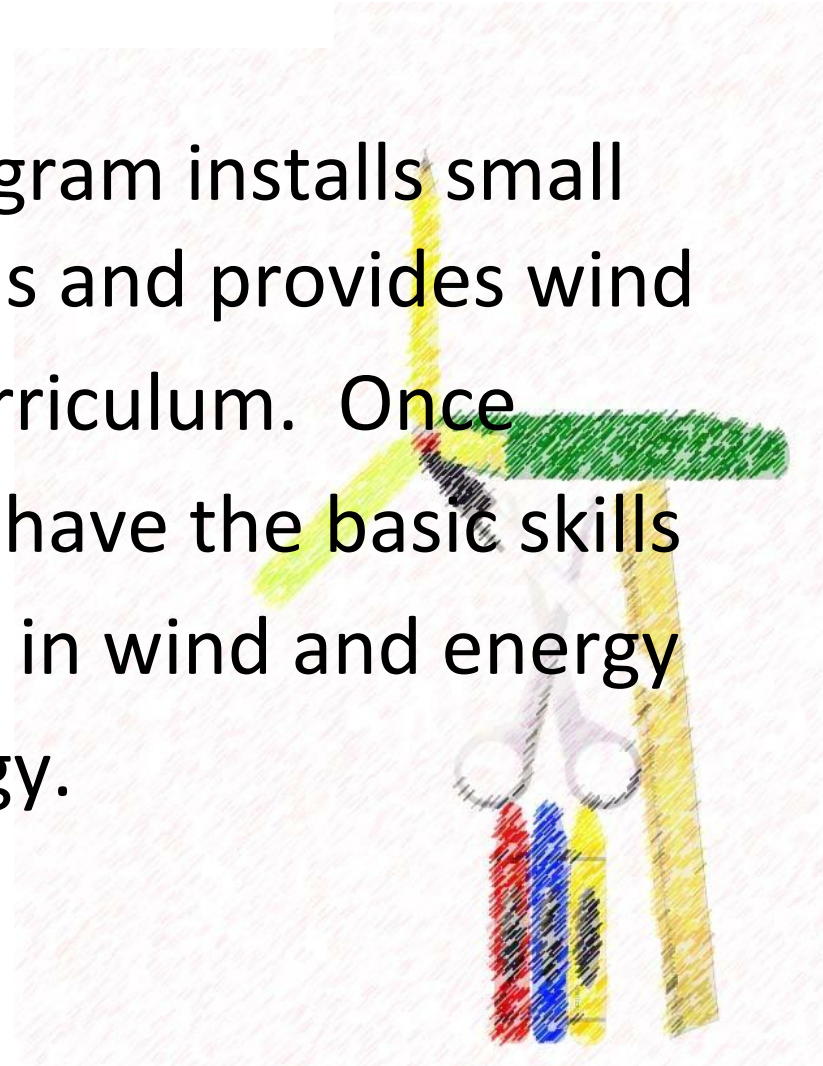
Update On Nebraska Wind for Schools

Joel Jacobs
Nebraska Wind Applications Center
University of Nebraska--Lincoln



Wind Applications Center

The Wind for Schools Program installs small wind turbine in rural schools and provides wind and energy-related curriculum. Once graduating, these students have the basic skills to pursue higher education in wind and energy technology.



Wind Applications Center



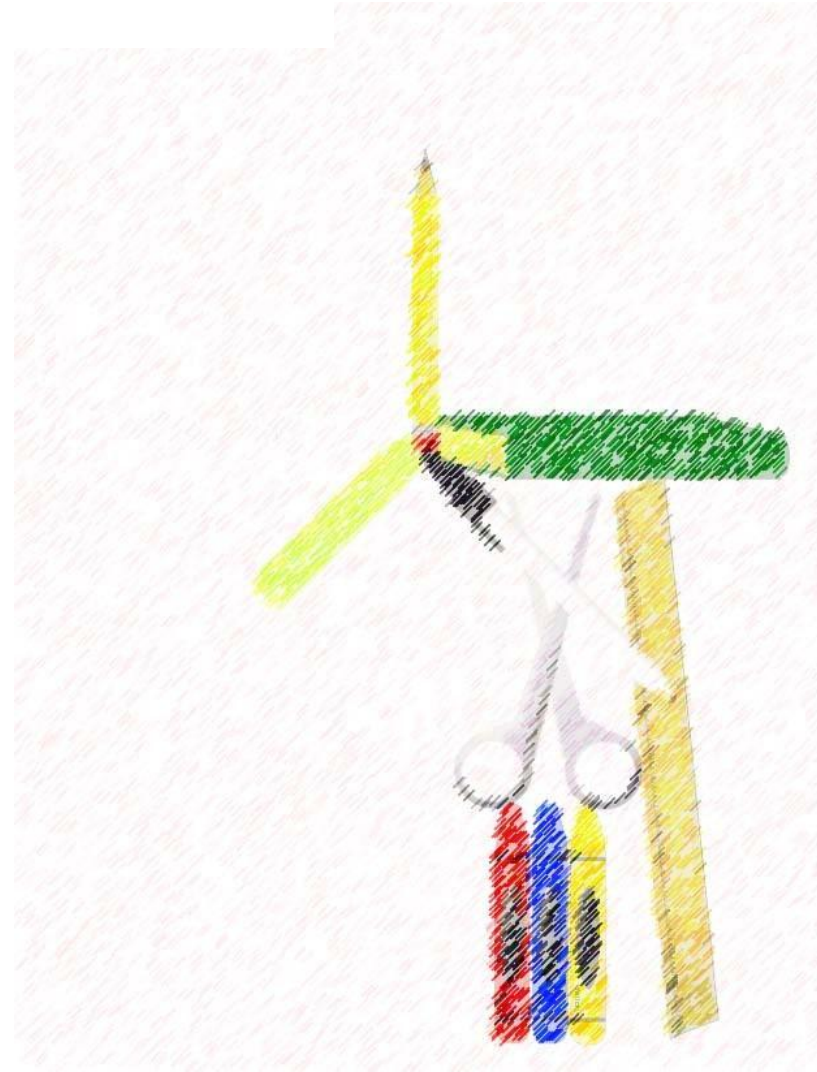
<http://www.unl.edu>

Search for 'Wind for Schools'





Funding Sources

- USDA
 - RBEG or Community Grant
- Nebraska Energy Office
- Attorney General
 - SEP funds
- Nucor Steel
- Local Utility
- Local Contractors
- Anonymous Donors
- Booster Clubs



Online Data

Norris Wind Turbine



*** Norris Public Schools Current Readings ***

Last update:
Wed, 10 Nov 2010 04:06:22 GMT
Tuesday, November 09, 2010 10:06:22 PM
Status: Turbine:0000, System:0100, Grid:0000 *

power: 364 Watts
volts: 168.4 V
Turbine Speed: 196 RPM
Wind Speed: 6.00 m/s, 13.42 mph
Daily Energy: 20.11 KWatt-Hrs
Total Energy: 954.69 KWatt-Hrs

*** Average Readings for last Ten Minutes ***
Avg power: 672.58 Watts
Avg rpm: 237.27
Avg wind: 7.00 m/s, 15.66 mph

norris	Average	Maximum	Units
	982.32	4181.00	Power Watts
Period:	248.16	341.00	RPM
month	8.22	36.00	Wind m/s
	205.55	277.30	Volts

norris	Average	Maximum	Units
	330.82	4788.00	Power Watts
Period:	120.65	358.00	RPM
year	3.83	43.00	Wind m/s
	108.64	310.40	Volts

Real Time Charts
Get Turbine Data
Interactive Chart

<http://wind-for-schools.caesenergy.org>



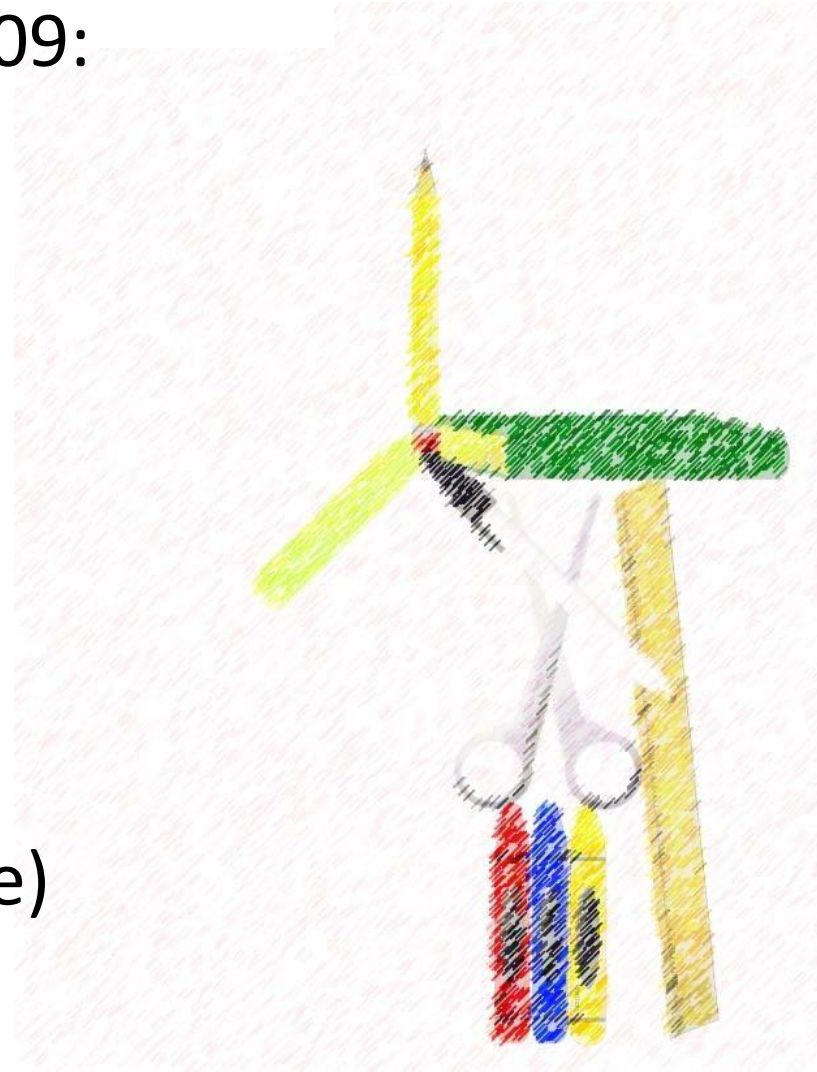
Progress Report

Since NE Wind Conference 2009:

- Installed 6 Wind Turbines
- Installed 3 MET Towers
- Data-Sharing Software

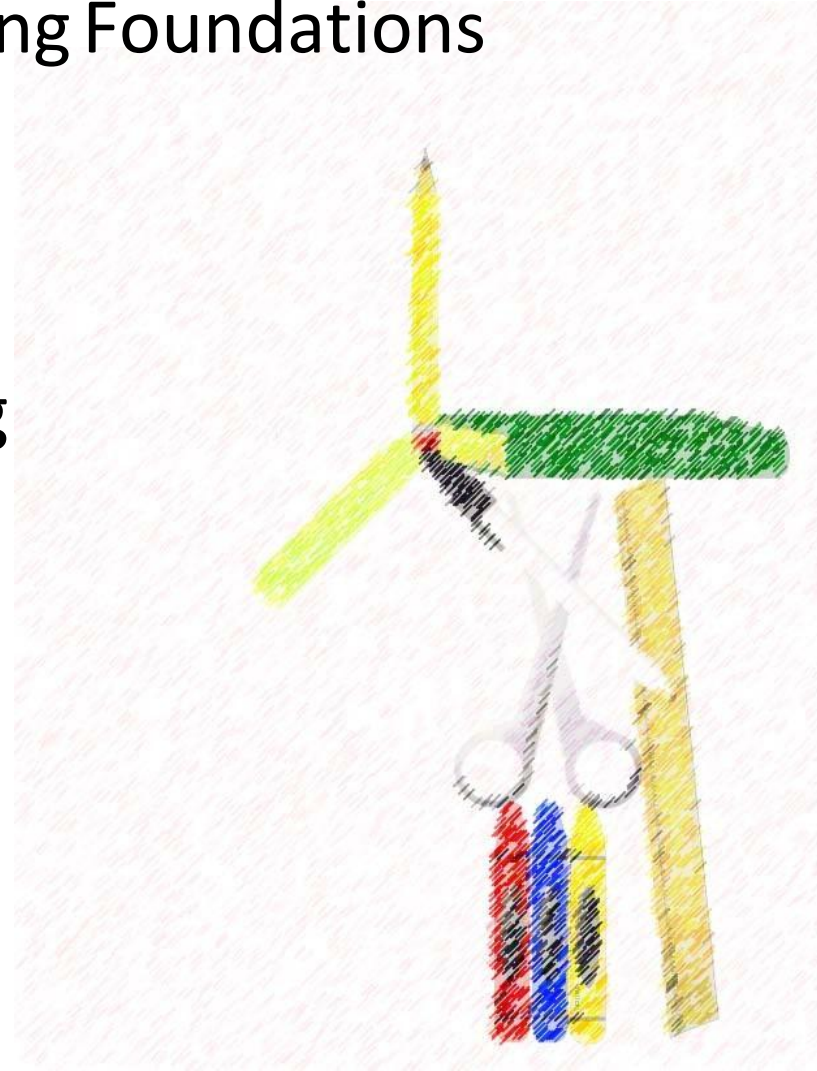
Repairs:

- 1 New Circuit Board
- 1 New Alternator
- 1 New Turbine (Power Surge)
- 1 TBD Problem



Winter Activities

- Weather Permitting– 5 Curing Foundations
- Add All Sites Online
- Finish Remaining Permitting
- 1 MET Tower
- Science Teacher Training
 - Next March? Kearney, NE



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