

UNL Weatherfest And Science Spectacular, April 6, 2019



UNL WEATHERFEST

APRIL 6 9-2

SEVERE STORM SEMINAR

NOON-4:30


FREE EVENT & PARKING

Valentino's

UNF 721

NEW
DESIGN
406-800-...

 TODAY'S EVENT

APR  4:00 PM	Lincoln 7x7x7 Nebraska Innovation Campus Conference Center
APR 10 8:00 AM	Workforce Commission Meeting Nebraska Innovation Campus Conference Center - Banquet Hall & Breakout Rooms A1-A3
APR 11 7:00 AM	Children's Hospital Nebraska Innovation Campus Conference Center - Breakout Room B1
APR 11 8:00 AM	Association of Fundraising Professionals Nebraska Innovation Campus Conference Center - Banquet Hall

Weatherfest

 9:00 AM - 4:00 PM

 Nebraska Innovation Campus Conference Center

Join us for the 19th Annual Family Weatherfest and Science Spectacular! Schedule of events: Exhibits and Activities (9:00 a.m.-2:00 p.m.); Severe Weather Symposium (12:30-4:00 p.m.) For more details and a complete list of featured exhibits and activities, please visit <https://weatherfest.unl.edu/>.

 Nebraska Today Kort-Butler examines crime as political theater

Today	 75 / 53 °F	Tomorrow	 73 / 47 °F	Monday	 78 / 49 °F
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Promoting Weatherfest on the Noon KOLN/KGIN TV Show with meteorologist Brad Anderson



UNL's 19th Annual Central Plains Severe Weather Symposium
Saturday, April 6, 2019 **FREE EVENT, FREE PARKING**
Nebraska Innovation Campus, 21st St. & Salt Creek Road, Lincoln, NE

12:00pm – 12:30pm: Severe Storms Time Lapse videos
12:30pm – 4:30pm: Severe Weather Symposium
Event Website: <http://www.epsws.unl.edu>

AMBASSADOR™
UNL'S WEATHER READY NATION

"Deciphering Weather Information in the Complex, Ever Changing World of Social Media"
Zach Sharpe, Iowa Storm Chasing Network
12:30-1:30pm

"The Art of Storm Chasing, Capturing Extreme Weather in Photography"
Mike Olinicki, Mike Olinicki Photography
1:30-2:30pm

Storm Spotter Training Workshop
Brian Smith, Warning Coordination Meteorologist
National Weather Service, Omaha Valley, NE
2:30-4:30pm

State Farm
Sponsored by: Nebraska Extension, UNL Geography, State Farm Insurance, and UNL Earth & Atmospheric Sciences Students

N 150

WEATHERFEST
19th Annual Family Weatherfest and Science Spectacular

SATURDAY, APRIL 6, 2019
FREE EVENT, FREE PARKING

Exhibits and Activities: 9:00 a.m. - 2:00 p.m.
Severe Weather Symposium: 12:30 p.m. - 4:00 p.m.

LOCATION:
Nebraska Innovation Campus
21st St. and Salt Creek Roadway / Lincoln, Nebraska

weatherfest.unl.edu

SPONSORED BY:
Nebraska Extension / College of Arts and Sciences, Geography Program and Department of Earth and Atmospheric Sciences / State Farm

FEATURED EXHIBITS AND ACTIVITIES

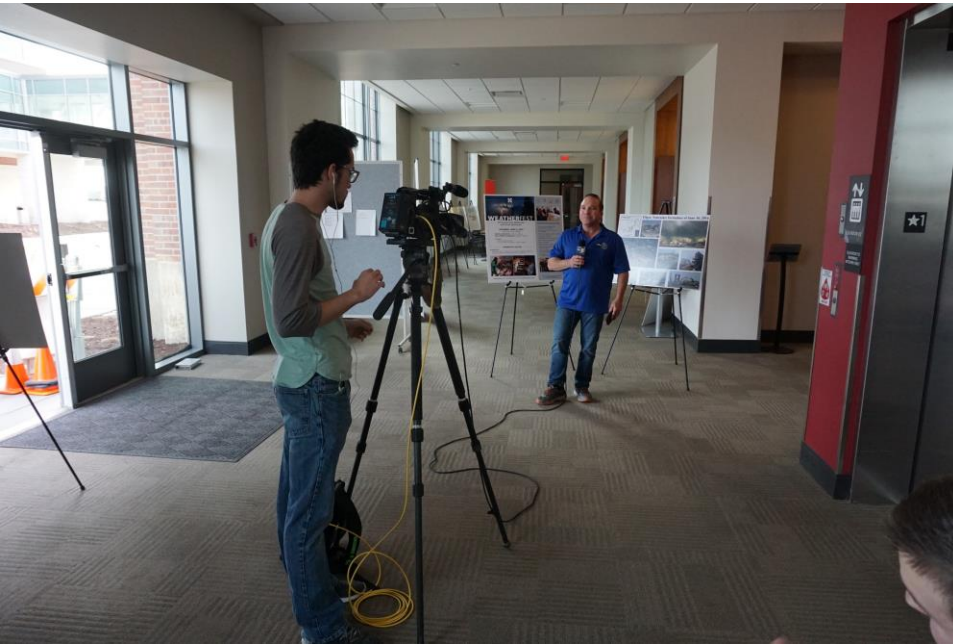
- Hands-on science demonstrations and experiments for all ages
- Weather, climate change, and science-related exhibits
- Emergency management vehicles on display
- Storm Spotter Workshop
- Information about Summer Weather Camp
- Storm chasers and their vehicles
- Storm photography
- Weather and climate books for sale
- Renewable energy and natural resources exhibits
- Explore the Doppler Radar on Wheels! (weather permitting)
- Meet and greet Lincoln and Omaha TV weathercasters!

WEATHERFEST IS A "WEATHER READY NATION AMBASSADOR" EVENT

Promoting the UNL Weatherfest at the KLIN Radio Station on the "Jack and Friends" Show



Promoting the UNL Weatherfest on a live KLKN-TV Remote Telecast the evening before the event with Chief Meteorologist Dean Wysocki





The UNL Nebraska 150 Exhibit was on display at Weatherfest 2019



State Farm Insurance, Corporate Sponsor of Weatherfest 2019



UNL Meteorology students greeting the public and handing out our event programs





Weatherfest 2019 Outdoor Exhibits



Weatherfest 2019 Outdoor Exhibits



SPRING WEATHER
TORNADO TOURS

SPRINGWX.COM

REVOLUTION
1.866.402.9727
WRAPS

Weatherfest 2019 Outdoor Exhibits –Electric Vehicles





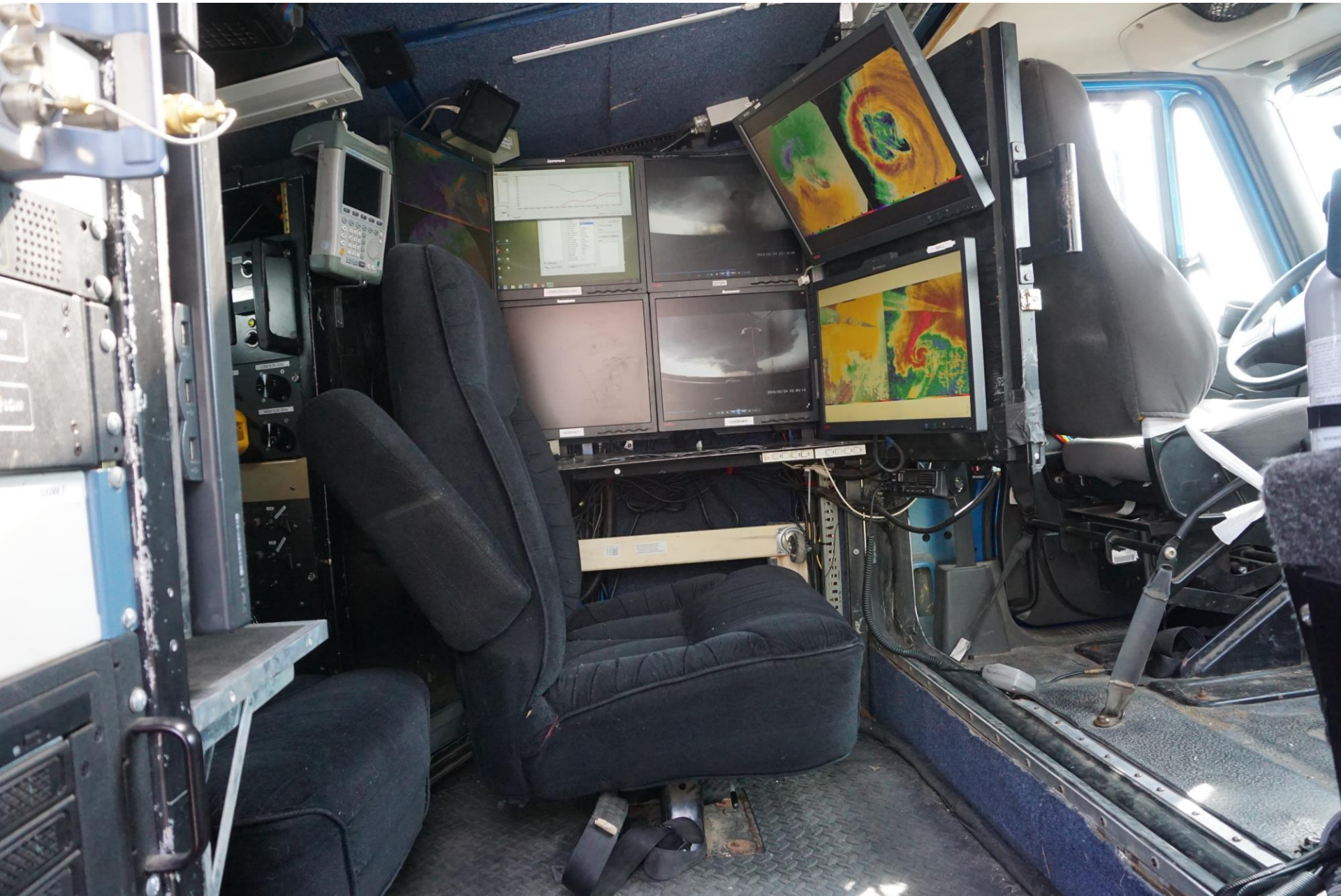
-Electric Vehicles



Doppler on Wheels (DOW)



Inside the DOW



Weatherfest 2019 Outdoor Exhibits. Dr. Adam Houston describing the operation of the DOW



Weatherfest 2019 Outdoor Exhibits. Dr. Adam Houston describing the operation of the DOW



Weatherfest 2019 Outdoor Exhibits



Weatherfest 2019 Outdoor Exhibits

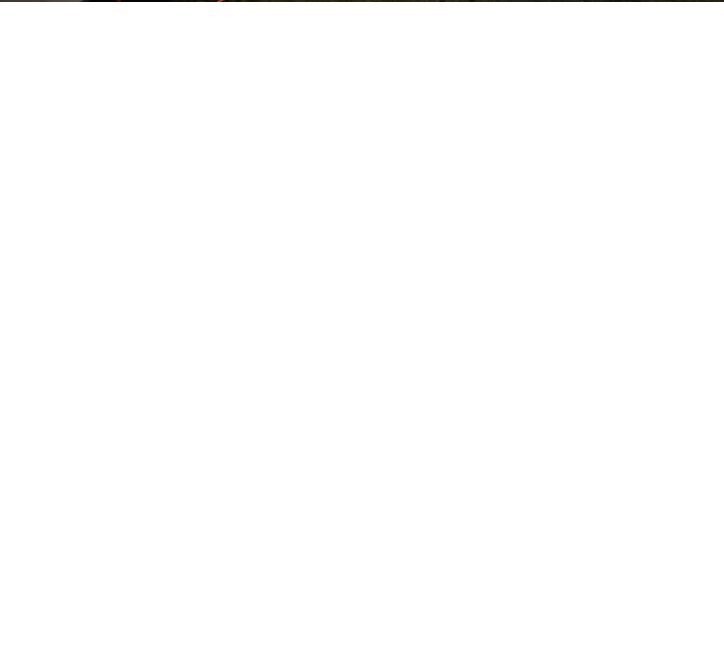


Weatherfest 2019
Inside the Conference Center

JRB Storm Photography Exhibit



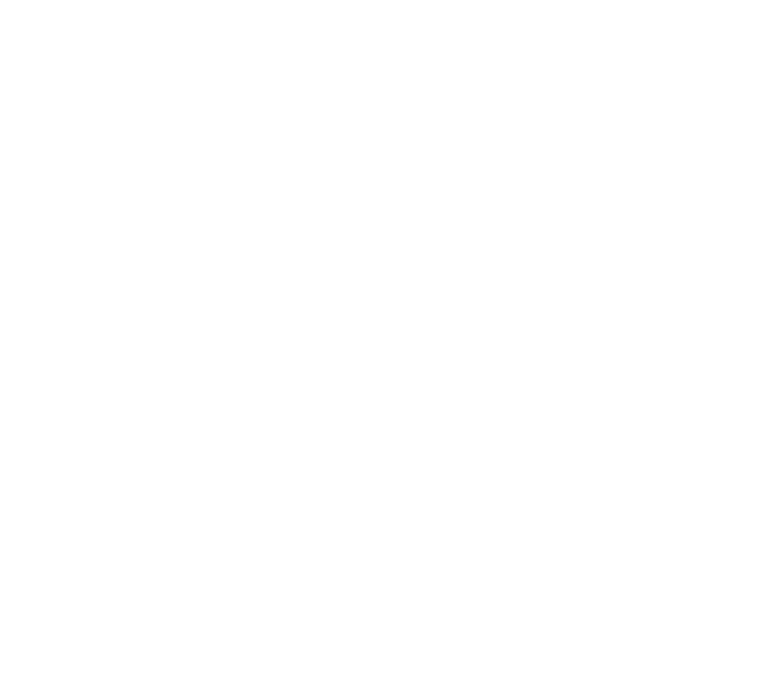












Barnes and Noble bookstore had many weather-related books for sale at our event





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Nebraska Press exhibit featuring the newly published book "Great Plains Weather" by the Weatherfest Director, Dr. Ken Dewey



Nebraska Press exhibit featuring the newly published book “Great Plains Weather”
by the Weatherfest Director, Dr. Ken Dewey





The University of

UNL Student Meteorologists exhibits/activities



UNL Student Meteorologists exhibits/activities



UNL Student Meteorologists exhibits/activities



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UNL Student Meteorologists exhibits/activities



UNL Geography Students exhibit/activity





UNL Geography Students exhibit/activity

UNL Geography Students exhibit/activity



UNL Geography Students exhibit/activity







**Enter to
WIN!**

Win a free family
admission pass.



UNL HERPETOLOGY

Imagine a career conserving wildlife



ing and Research



ical Conservation



SCHOOL OF NATURAL RESOURCES
UNIVERSITY OF NEBRASKA-LINCOLN
Department of Herpetology

HERPETOLOGY LABS

Amphibians, Turtles & Reptiles of Nebraska

Teaching is our mission.

Herpetological

HERPETOLOGY LABS

OUR MISSION: Teaching and Research

OUR GOAL: Herpetological Conservation

SCHOOL OF NATURAL RESOURCES
UNIVERSITY OF NEBRASKA-LINCOLN
Department of Herpetology

NEBRASKA WATER QUALITY

Discover Nebraska's Natural Resources

WATERS MANAGEMENT

PUBLIC WORKS & UTILITIES









RECYCLING CHAMPION

With a little practice, recycling right makes Lincoln a winning city.

Recycling plastic bottles, cans, paper, and cardboard is the first step to success.

TAKE IT TO THE BIN



Planned Public Market



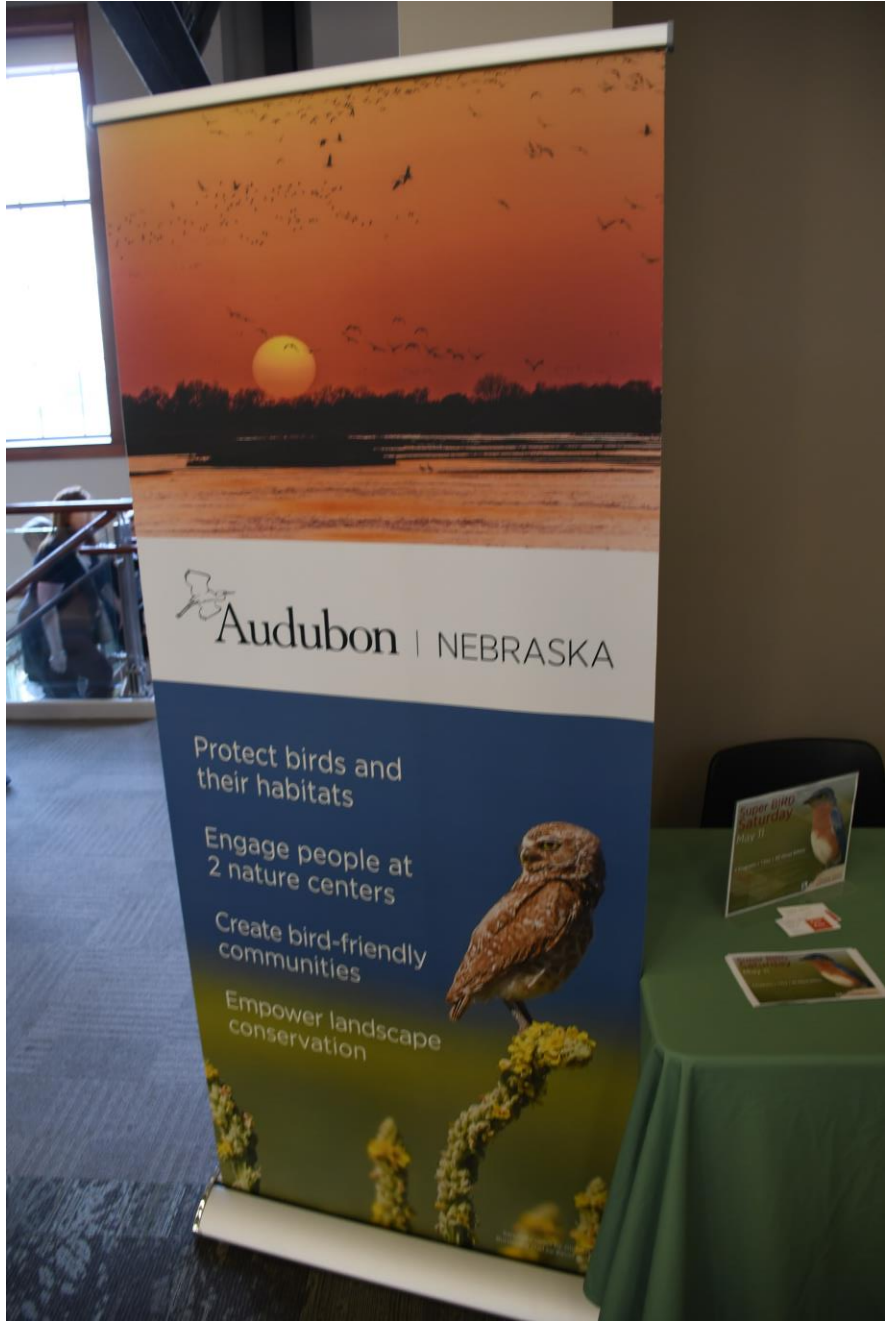
JOSLYN INSTITUTE for Sustainable Communities

APHY
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IZATION

ENVIRONMENTAL
PUBLIC POLICY

















Mission

To create the political will for climate solutions by enabling individual leadership in personal and political arenas.

2018 Volunteer Accomplishments

Volunteer hours	124,357
Policy Analysis	4,333
Lobby meetings	1,160
Outreach to Congress	62,200
Media Outreach	3,275
Community Outreach	204

Citizens' Climate Lobby

Text: John to 619-675-7507

Volunteer Achievements

- Lobby Meetings
- Outreach to Congress
- Media Outreach
- Community Outreach

- ### Key Accomplishments - Climate-related bills
- 1. Passed the House
 - 2. Passed the Senate
 - 3. Signed into Law
 - 4. Signed into Law
 - 5. Signed into Law

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About us

- 1. Non-partisan
- 2. Non-profit
- 3. Grassroots
- 4. Science-based
- 5. Bipartisan

Climate-related impacts for Nebraska

- Higher daytime temperatures
- Higher nighttime temperatures
- Higher evaporation rates
- Precipitation decreases and increases
- Increased frequency of extreme weather events
- Increased frequency of droughts, wildfires, and other natural disasters
- Increased risk to agricultural production

Nebraska's agricultural future under "business as usual"


- Decrease in agriculture crop production
- Increased pressure on water resources
- "Droughtification" of land
- Increased risk to production of corn, soybeans, and other crops
- Increased risk to agricultural and food production

VOTE
Climate Change

 **Citizens' Climate Lobby**
Political Will for a Livable World
CitizensClimateLobby.org


Energy Efficiency and Renewable Energy
Department of Energy

Wind and Hydropower Technologies Program



Wind Powering Nebraska


Kimball, Nebraska



For more information on wind, please visit:
www.windpoweringamerica.gov
www.aewa.org


Nebraska Wind for Schools K-12 Rural Partners 2008-2016

Dr. Jerry McGuire, Director, UNL Wind Applications Center; Dan McGuire, WFS Facilitator



No.	Year	K-12 School	Capacity	Site	Project
1	December 2008	Wichita Falls School	1.5	Wichita Falls	WFS
2	December 2008	Wichita Falls School	1.5	Wichita Falls	WFS
3	December 2008	Wichita Falls School	1.5	Wichita Falls	WFS
4	December 2008	Wichita Falls School	1.5	Wichita Falls	WFS
5	April 2009	Wichita Falls School	1.5	Wichita Falls	WFS
6	May 2009	Wichita Falls School	1.5	Wichita Falls	WFS
7	June 2009	Wichita Falls School	1.5	Wichita Falls	WFS
8	November 2009	Wichita Falls School	1.5	Wichita Falls	WFS
9	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
10	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
11	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
12	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
13	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
14	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
15	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
16	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
17	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
18	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
19	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
20	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
21	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
22	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
23	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
24	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
25	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
26	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
27	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
28	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
29	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS
30	December 2009	Wichita Falls School	1.5	Wichita Falls	WFS


NEBRASKA WIND FOR SCHOOLS CONSORTIUM MEMBERS



MEMBERS


- AMERICAN CORN GROWERS FOUNDATION
- GEORGINO
- DAN MCGUIRE, CONSULTANT
- NEBRASKA PUBLIC POWER DISTRICT
- NORTHEAST COMMUNITY COLLEGE
- OLSON ASSOCIATES
- SEMIRA

CONSORTIUM OFFICERS:
 Gary Thompson, President
 Jeff Nelson, Vice President
 Dan McGuire, Secretary/Treasurer



COLLEGE OF ENGINEERING
 Electrical and Computer Engineering

Contact: Dr. Jerry McGuire, UNL Wind Applications Center Director, jmcguire@unl.edu



UNL Wind Applications Center

UNL Wind Applications Center
 1000 S. 10th Street, Lincoln, NE 68508
 Phone: 402-475-2000
 Fax: 402-475-2001
 Email: jmcguire@unl.edu

The UNL Wind Applications Center provides a wide range of services to the wind energy industry, including:

- Site assessment and feasibility studies
- Wind resource assessment
- Wind turbine siting and layout
- Wind turbine selection
- Wind turbine installation and commissioning
- Wind turbine maintenance and repair
- Wind turbine monitoring and control
- Wind turbine performance analysis
- Wind turbine safety and security
- Wind turbine insurance and risk management
- Wind turbine financing and legal services
- Wind turbine marketing and public relations
- Wind turbine training and education
- Wind turbine research and development

Nebraska Wind for Schools is Actively Engaged in 2016

UNL Wind Applications Center is actively engaged in 2016 with a variety of projects and activities. The center is currently working on several projects, including the installation of wind turbines at various schools across the state. The center is also providing technical assistance and training to school districts and other stakeholders in the wind energy industry.




2016: A Busy Year for UNL-WAC
 Consultant McGuire, UNL-WAC Director McGuire, & WFS Facilitator

Re-established contact with 37 of 20 public school districts in the state and provided career and curricular materials for teachers on the condition of a new engineering standard through the project will work in 2016.









N Welcome to Weatherfest **N**
MEET THE WEATHERCASTERS
University of Nebraska-Lincoln

NEWS NOW

Lincoln's Own
KLincoln

THIS BUILDING
DEDICATED TO
HOSPITALITY WITH
A NEW CHANGE
OCTOBER 14, 1953













NEBRASKA ONE HEALTH

nebraskaonehealth.unl.edu



Linking Human, Animal, Plant, and Ecosystem Health



NEonehealth





With a little practice,
recycling right makes
Lincoln a winning city.



Recycling plastic bottles,
cans, paper, and cardboard
is the first step to success.



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"Deciphering Weather Information in the Complex, Ever Changing World of Social Media"

Zach Sharge,
Iowa Storm Chasing Network

12:30-1:30pm



"The Art of Storm Chasing, Capturing Extreme Weather in Photography"

Mike Olinick,
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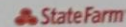
1:30-2:30pm



Storm Spotter Training Workshop

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Sponsored by: Nebraska Extension, UNL Geography, State Farm Insurance, and UNL Earth & Atmospheric Sciences Students

Severe Weather Symposium and Storm Spotter Workshop



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Mike Olbinski, Mike Olbinski Photography

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National Weather Service, Omaha/Valley, NE

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Zach Sharpe, Iowa Storm Chasing Network, “Deciphering Weather Information in the Complex Ever Changing World of Social Media”



Ben McMillan, WeatherNation TV, Joins Zack Sharpe in paying tribute to Tim Samaras who tragically died while doing storm research several years ago



Mike Olbinski, Extreme Weather Photographer (<https://www.mikeolbinski.com/>)
“The Art of Storm Chasing, Capturing Extreme Weather in Photography”

MIKE OLBINSKI

THE ART OF STORM
CHASING

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MIKE OLBINSKI
THE ART OF STORM
CHASING



Mike Olbinski



Mike Olbinski





Mike Olbinski



Mike Olbinski



Brian Smith, Warning Coordination Meteorologist, NWS Omaha



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Brian Smith, Warning Coordination Meteorologist, NWS Omaha



Weatherfest and Science Spectacular 2019 ended with a gathering of the symposium speakers and the meteorology student volunteers for dinner and visiting



Each of the invited speakers from the symposium described their career paths for the students



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We ended the evening with the Weatherfest Director, Dr. Ken Dewey, giving each of the symposium speakers and student volunteers a spectacular photo from JRB Storm Photography



Final photo of Weatherfest 2019. We gathered the symposium speakers and student volunteers outside the conference center with their weather photo gift. Lots of smiles!

