



# Energize Ohio Newsletter



## UPCOMING EVENTS

**NOV. 8, 2012 (8:00 AM)**  
Renewable Energy Day  
Wooster, OH

Visit: <http://oardc.osu.edu>  
for registration information.

**NOV. 10, 2012 (1:00 PM)**  
Shale & You: A Workshop  
For Landowners &  
Communities  
Cambridge, Ohio

Visit: <http://serc.osu.edu>  
for registration information.

**NOV. 14, 2012 (9:30 AM)**  
Energize Ohio Train-the-  
Trainer Workshop  
Nationwide & Ohio Farm  
Bureau 4-H Center/  
Columbus, OH

Contact: [romich.2@osu.edu](mailto:romich.2@osu.edu)  
to register.

## November 14, Energize Ohio Train-the-Trainer Workshop

*Eric Romich, Field Specialist, Energy Development*

### The Situation

The abundance of natural resources and extensive open space positions rural communities across Ohio to play a central role in future energy development projects. However, energy development presents new social, economic, and environmental opportunities and challenges to impacted communities. In 2006 Leigh Fortson of Colorado State University Cooperative Extension predicted, "Extension agents [Educators] across the country are in the best possible position to both introduce this new [renewable energy] industry to America's farmers and ranchers and support them through the tides of change. In doing so, we'll help create a crop of entirely new possibilities" (Fortson, 2006). The Energize Ohio curriculum demonstrates the ability of OSU Extension to address educational needs associated with energy as one of Ohio's most pressing critical issues.

### The Energize Ohio Workshop

On November 14th the Energize Ohio Team is hosting a train-the-trainer workshop from 9:30 to 2:30 in the Gehres Room of the Nationwide & Ohio Farm Bureau 4-H

Center. There is no cost and lunch will be provided. The ultimate goal of this workshop is to provide OSU Extension Educators a comprehensive understanding of energy challenges Ohio communities are currently facing and how the Energize Ohio curriculum addresses the challenges through research-based educational programming. The workshop will consist of five sessions including:

- Session 1 - Current State of Energy in Ohio
- Session 2 - Renewable Energy Workshop
- Session 3 - Shale Energy Development
- Session 4 - BioEnergy Development
- Session 5 - Program Design & Implementation

To view more details on the Energize Ohio Train-the-Trainer Workshop [click here](#) to download the promotional flier.

### Register Today!

There is no cost to attend. To register for this event contact [Eric Romich](#) or [Sandy Odrumsky](#). Please register by November 12th to be included in the lunch and materials count.



Fortson, L. (2006). 25 by 25: Extensions role in rural energy development. *Journal of Extension* [On-line], 44(5) Article 5TOT3. Available at: <http://www.joe.org/joe/2006october/tt3.php>

## Review of Extension’s Shale Energy Work Group

*Mike Lloyd, OSU Extension Educator, CD*

In early 2011, signs began appearing that the oil and gas exploration occurring in Pennsylvania and West Virginia was poised to move into Eastern Ohio. First sign was the appearance of “landmen,” individuals visiting local landowners and offering to purchase drilling rights. The earliest offers tended to be for under \$100 an acre with a 12.5% royalty and were providing leases that gave little protection to the lessee.

Extension had a long history of providing education on leases to landowners and quickly mobilized to begin to offer programs. This oil and gas play has proved to be unlike earlier booms in the region. Larger companies began to move into the region and the competition, and education provided to landowners, soon resulted in increased offers to landowners on both the initial bonus payment and later royalties.

In March 2011, the first Shale Energy Work Group had its first monthly meeting in Columbus. This group was formed to coordinate Extension’s response to all aspects of the oil and gas issue in the state. It has provided a forum for county educators and university based specialists to meet to share current issues and education opportunities. From the initial leasing program, additional programs on pipelines, wealth management, environmental issues, and social issues have been added to the educational and/or research agenda. The Work Group has worked to establish a web presence at [www.shalegas.osu.edu](http://www.shalegas.osu.edu) to

develop a library of fact sheets on gas related topics and to provide a site to publicize upcoming events. The Extension Gas Work Group also works with the Subsurface Energy Resource Center (SERC) which is an intercollege group within OSU designed to “contribute to the knowledge of subsurface resource development and its associated environmental issues, as well as serve as a resource to policy makers.” This provides Extension with the opportunity to join efforts with experts in other OSU colleges and simultaneously allows SERC faculty and researchers the opportunity to share their findings statewide through Extension Educators. SERC also maintains a website at <http://serc.osu.edu/>.

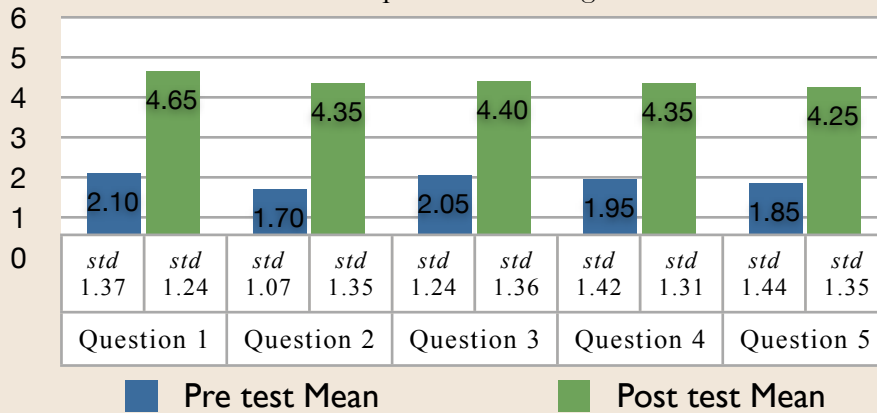
Efforts continue to provide educational opportunities to Ohio citizens and landowners. Extension has conducted 141 programs to date that have reached 12,951 Ohioans.

## Van Wert Shale Energy Program

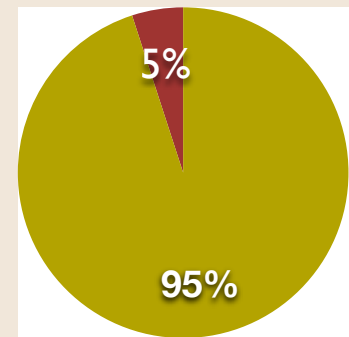
*Eric Romich, Field Specialist, Energy Development*

On August 7, 2012 OSU Extension conducted an Overview of Shale Energy Development program to 60 members of the Van Wert Rotary Club in Van Wert, Ohio. The presentation was led by Eric Romich, Field Specialist in Energy Development at OSU Extension. The program provided an overview of the development of Ohio’s shale resources and its impact on landowners and communities. In an effort to measure short term impacts, pre-test / post-test program evaluations were conducted. A summary of the results are illustrated in graph form below.

Short Term Impact - Knowledge Gained



Would You Recommend this Program to Other Ohio Communities?



Pre Test / Post Test Questions for Shale Energy Development Program Evaluation

1. I have a good understanding of what is driving shale gas development in Ohio.
2. I am familiar with the characteristics of the Ohio’s shale formations currently being targeted by energy companies.
3. I am aware of the pros and cons of shale gas development.
4. I am familiar with important lease questions (best practices) to ask while negotiating an agreement.
5. If approached with by a developer with a lease agreement, I have the knowledge/information necessary to make an informed decision on how to proceed.

- Yes
- No
- No Response

## OHIO TEAM

### SUSTAINABLE AGRICULTURE, RESEARCH, & EDUCATION

**Rafiq Islam**, Program Director Soil, Water & Bioenergy Resources

**Anne Baird**, Extension Educator, ANR

**Greg LaBarge**, Field Specialist, Agronomic Systems

**Eric Romich**, Field Specialist, Energy Development

**Alan Sundermeier**, (Team Leader) Extension Educator, ANR/CED

**Bruce Clevenger**, Extension Educator, ANR/CED

**Jim Hoorman**, Extension Educator, ANR



## Carbon, Energy, & Climate Initiative

*Alan Sundermeier, OSU Extension Educator, ANR*

Farmers seeking to improve the sustainability of their farms are doing so in a changing set of circumstances, including an expected climate change, increasingly higher farming costs, demand for additional bioenergy production, opportunities for energy efficiency and renewable energy on farms. These issues are in many cases connected by challenges such as capturing carbon and managing nitrogen to build soil organic matter while meeting fuel, food, and fiber production needs. There are both ecosystems-level sustainability issues and very practical issues facing farmers in conjunction with energy and climate.

To address these issues, a group of OSU Extension Educators attended a conference at Kellogg Biological Station near Battlecreek, MI. Sponsored by the North Central Sustainable Agriculture Research and Education program, participants interacted with experts, participated in hands-on workshops, and gained valuable knowledge to share with Ohio citizens. Contact Alan Sundermeier at [sundermeier.5@osu.edu](mailto:sundermeier.5@osu.edu) for more information.

## Think Home Energy Efficiency

*Pat Holmes, OSU Extension Educator, FCS*

Home Energy Efficiency, Universal Design, and Good Agricultural Practices were topics featured by the Ohio State University Extension – Montgomery County educators in Family & Consumer Sciences and Agriculture & Natural

Resources at the First Annual Montgomery County Environmental Fair held October 2, 2012 in Dayton, Ohio. Visitors to the Environmental Fair were provided with a brochure and magnet from Ohio Consumers Counsel, Beginning Simple Energy Efficiency information from the [Energize Ohio website](#), and educational resources OSU Extension ANR programs in Montgomery County. The event was covered by WHIO-TV on the 11 p.m. news.

The Environmental Fair was sponsored by Montgomery County Environmental Services at the Environmental Lab in collaboration with Miami Conservancy District, Montgomery Soil & Water Conservation District, Ohio State University Extension - Montgomery County, Public Health Dayton/Montgomery County, Ohio Environmental Protection Agency, and the Montgomery County Sheriff's Office.

The first 50 people bringing in a well water sample received a free Bacteria Test Kit from the Miami Conservancy District. Other topics at the event included: water testing, nitrate screening, well capping cost-share program, down-hole video of inside of a well, groundwater map, rain barrels, trash disposal, recycling, farm tire disposal, household hazardous waste and prescription drug disposal, how to access public water service for your neighborhood, water quality, lawn care, river recreation maps, and tours of the Environmental Labs.

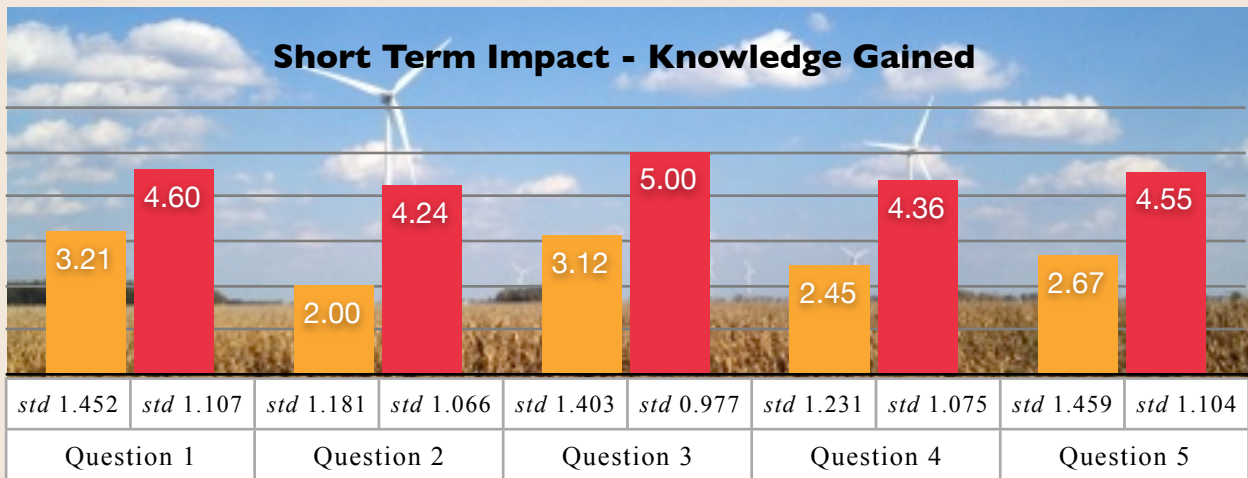
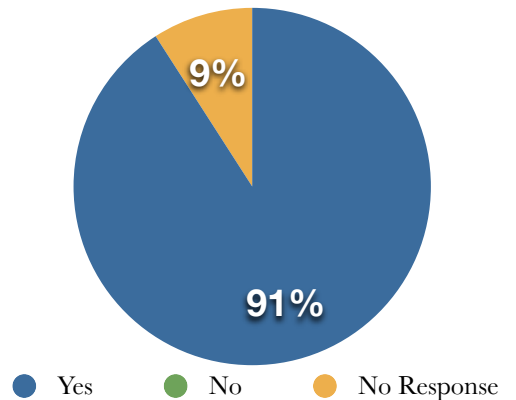


## Van Wert County Program - U.S. Green Buildings Council NE Indiana Branch

*Nancy Bowen, OSU Extension Field Specialist, Community Economics*

The OSU Extension Energize Ohio team including Eric Romich, Nancy Bowen and Myra Moss, conducted a tour and workshop for 36 members of the U.S. Green Buildings Council Northeast Indiana Branch (USGBC) on October 4 in Van Wert County. The group arrived in a tour bus to drive through Iberdrola’s 27,000 acre, 304 MW Blue Creek Wind Farm and learn about the details of the project. A highlight of the tour was an opportunity to walk to the base of a 1.5 MW turbine owned by Cooper Farms in coordination with the annual tour conducted by Green Energy Ohio. The driving tour was followed by a workshop at the North Union Methodist Church to lead participants through a group exercise on locational suitability requirements for wind projects and wind energy as a rural economic development strategy. Terry Thornsberry, President of USGBC NE Indiana, later stated “he heard nothing but exemplary compliments all the way back to Fort Wayne” about the experience. The tour and workshop is one of several educational program offerings by the Energize Ohio Team.

Would You Recommend this Program to Other Ohio Communities?



<i>std</i> 1.452	<i>std</i> 1.107	<i>std</i> 1.181	<i>std</i> 1.066	<i>std</i> 1.403	<i>std</i> 0.977	<i>std</i> 1.231	<i>std</i> 1.075	<i>std</i> 1.459	<i>std</i> 1.104
Question 1	Question 2	Question 3	Question 4	Question 5					

Pre test Mean Post test Mean

### Pre-Test / Post-Test Questions for Wind Energy Development Program Evaluation

1. I have a good understanding of what is driving renewable energy development.
2. I understand the different types of policy that impact renewable energy development.
3. I am aware of the pros and cons of wind farms.
4. I am familiar with the various community requirements needed to support the development of a utility scale wind farm.
5. I am well informed and have the knowledge/information necessary to make a decision regarding a wind energy project in my community.



## Commitment to Elevating and Expanding Team Members and Curriculum Materials

The existing Energize Ohio Program is well established and demonstrates a history of impacts that can be built upon and expanded on as an OSU Extension Signature Program. However, the Energize Ohio Signature Program team will continue to seek collaborative opportunities to expand the curriculum offering beyond renewable energy and shale gas development to also include additional energy topics such as youth programs, energy efficiency, and bio-energy topics. We encourage anyone who has an interest in energy to contact one of our team members to get involved in this exciting new signature program.

### Energize Ohio - Building Ohio's Energy Future Signature Program Team Members

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