KENTUCKY AGRICULTURE TEACHERS' PERCEPTION OF ALTERNATIVE ENERGY

MICHAEL MCDERMOTT, EASTERN KENTUCKY UNIVERSITY
CASTON MASTERS, MAT EASTERN KENTUCKY UNIVERSITY
RESEARCH QUESTIONS

Importance of Alternative Energy

Is alternative energy currently being taught by the agriculture teachers?

Teachers have resources available to teach alternative energy.

Alternative energy topics of most value to the agriculture curriculum as perceived by Kentucky teachers of agriculture.
Western coal

Eastern coal

Land between the lakes

vs.

Daniel Boone Elk Forest
Ohio River Basin - Waterside Coal-Fired Power Plants

Utilities
1. Allegheny Energy
2. American Electric Power
3. Big Rivers Electric
5. Central Operating Co.
6. Citgo
7. Dayton Power & Light
8. Duquesne Light
11. Indiana Kentucky Electric
12. Kentucky Utilities
13. Louisville Gas & Electric
14. Ohio Edison
15. Ohio Valley Electric Corp
16. Pennsylvania Power
17. So. Indiana Gas & Electric
18. Tennessee Valley Authority

Ohio River Basin Contents
- State Boundaries
- Navigable Waterways
- Navigation Locks
- Power Plants (Utility)
- Portals
PERCEPTION OF ALTERNATIVE ENERGY IMPORTANCE TO...

Important

Very Important

Some

Important

Very Important

Important

Some

Important
IMPORTANCE FOR JOB CREATION

- Some 6.9%
- Important 43.8%
- Very Important 48.5%

![Bar Chart]

- Jobs
- Frequency
- Some
- Important
- Very Important
- 0 2 3 4 Jobs
- 0 10 20 30 40 50 Frequency
Some importance to introduce the concept of renewable energy:

- Some: 2.3%
- Important: 39.2%
- Very important: 57.7%
Do you currently teach alternative energy?

1/3 Yes
2/3 No

Yes
No
<table>
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<tr>
<th>Frequency</th>
<th>Percent</th>
<th>Valid Percent</th>
<th>Total</th>
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<tr>
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<tr>
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**ANY ALTERNATIVE ENERGY INSTRUCTIONAL RESOURCES**
ALTERNATIVE ENERGY
TOPICS TO TEACH

• Overview of Fossil Fuels verses Alternative Energy
• Oil crop/Biofuels
• Solar
• Ethanol Production
• Biomass
• Geothermal
• Hydroelectric
• Wind
CONCLUSIONS

• Perceived to be important
• Majority would dedicate up to 3 instructional periods
• Majority do not teach alternative energy
• Majority do not have any instructional resources

• Create 4 alternative energy instructional units
  - Overview of Fossil Fuels verses Alternative Energy
  - Oil crop/Biofuels
  - Solar
  - Ethanol Production
QUESTIONS

THANK YOU!