Significance

Poultry is Kentucky’s leading food commodity with cash receipts totaling $814 million. There are over 850 farm families and 3,500 poultry “houses,” and energy is the largest production cost after feed. Energy is used to heat, cool, ventilate and provide lighting for birds. Energy efficiency assistance and education is critical to continued profitability.

Objectives

- Improve production efficiency.
- Reduce energy costs by adopting energy saving practices and upgrades.
- Evaluate cost effectiveness of potential improvements.
- Share information obtained from poultry house evaluations with all growers.

Application Process

An application can be obtained from the Live Production Office at your complex or downloaded from the Kentucky Poultry Federation website at www.kypoultry.org.

For the application deadline please contact the Kentucky Poultry Federation office at 859.737.1048 or call the Live Production Manager at your complex.

Payment

Submit a REFUNDABLE evaluation service fee of $200.

- Those NOT selected will have the fee refunded.
- Those selected will have the fee refunded if at least one of the recommendations by the assessment team has been implemented and at least $200 of cost has been incurred.

Please make checks payable to the Kentucky Poultry Federation.

NOTE: Checks or credit card payments will NOT be processed until you are selected as a participant in the Evaluation.

Vision

A viable and sustainable Kentucky poultry industry that is environmentally sound and profitable for growers.

For More Information Contact
Kentucky Poultry Federation

P.O. Box 577
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www.kypoultry.org
**Phase 1—Energy Saving Practices**

**How can my buildings and equipment be more energy efficient?**

- The Poultry House Evaluation Service has four components: an office audit, an on site assessment, a written report, and an educational workshop.
- Seven to twelve representative farms per integrator will be selected for intensive evaluation.
- The on-site assessment will evaluate the building envelope, heating system, lighting, ventilation system, cooling system, and the electrical service.
- Ventilation fans will be tested for efficiency and performance with the UK “FANS” airflow measurement equipment.
- Thermal image analysis will be used to detect air leakage and insulation problems.

**Phase 2—Cost Effectiveness**

**How can I decide which proposed changes are cost effective?**

To answer this question, we will provide you with:

- Estimates of potential energy savings from proposed improvements determined during the on-site assessment.
- Cost estimates for upgrading buildings and equipment.
- Estimated payback periods for suggested modifications.

**Phase 3—Outreach to Industry**

**How can I learn about new practices that may help improve my profitability?**

The educational needs of producers vary by location and integrator, therefore the educational component has been designed around each of the integrators participating.

**Deliverables:**

- Statewide educational programming.
- Six integrator educational advisory committees.
- On-site energy efficiency assessments.
- Development and distribution of 700 poultry management manuals.
- Quarterly newsletter.

**Other outcomes:**

- Energy audit methods for USDA 9006 funding in energy efficiency and renewable energy.
- Educate industry technical workforce on energy efficiency.

**Kentucky Poultry Federation & University of Kentucky, College of Agriculture**

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