

Financial Opportunities for Poultry House Energy Retrofits

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Farm Energy Efficiency

Conservation Practices Contribute to Energy Efficiency and Fuel Savings

Producers can cut input costs, maintain production, protect soil and water resources, reduce the nation's dependence on fossil fuels, and save money by using the conservation practices offered by the USDA's Natural Resources Conservation Service (NRCS).

Check with your local NRCS office to find out about your area's options.

USDA will continue to support conservation practices that save producers money and improve the environmental health of the nation.

Energy Conservation in Confined Animal Operations

Conservation Practices that Save

- Farmstead Energy Improvements (Energy Retrofits)
- Prescribed Grazing Systems
- Integrated Pest Management
- Precision Agriculture
- Irrigation Water Management
- Nutrient Management
- Crop Residue Management



Alabama Poultry and Egg Production - A \$15.1 Billion Industry

Financial Assistance Programs Available In Alabama

USDA's NRCS Environmental Quality Incentives Program (EQIP)

This program provides financial assistance for certain Energy Retrofits. The farmer must first have an approved Energy Audit and then can sign-up for this program at their local NRCS office. Producers should also be aware that:

- Funds are limited (demand usually exceeds yearly funding) so applications are ranked for environmental benefit
- USDA eligibility requirements must be met
- This is a reimbursement program
- A signed contract with USDA is needed before starting work

Additional information can be found on the Alabama NRCS website:
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/al/programs/financial/eqip/>

USDA Rural Development Rural Energy for America Program – Energy Efficiency Improvement Grants

Energy Efficiency Improvements Projects include any energy savings measures to businesses or agricultural operations (non-residential) including but not limited to replacement of inefficient equipment, retrofitting, insulation or any recommended improvement identified in the energy assessment or energy audit. Financial assistance, to include grants, is available to agricultural producers and rural small businesses in rural America. www.rurdev.usda.gov/BCP_ReapResEei.html

Energy Right Solutions Rebate Program

The Tennessee Valley Authority (TVA) administers this program. Rebates may be available to farms in the TVA area for conversion to LED and CFL lights (funds are limited).

http://www.energyright.com/business/how_to.html

AlabamaSAVES

Alabama Department of Economic & Community Affairs Energy Division sponsors this program which is administered by Abundant Power Solutions, LLC. The AlabamaSAVES program is an energy-related revolving loan program for existing industries. The program provides financing solutions for commercial and industry energy-efficiency and renewable energy projects in the state. The minimum loan/project size is \$50,000.

<http://www.alabamasaves.com>



Efficient Heating With Radiant Tube Appliance

It All Adds Up to Significant ENERGY SAVINGS

Producers with animal feeding operations can save up to \$250 million annually nationwide by regularly maintaining their ventilation and heating systems and using more energy-efficient fixtures and equipment for animal housing. Other on-farm examples:

- Doubling the application of manure-based nitrogen to replace fertilizer produced from natural gas could save \$825 million and 100 billion of cubic feet of natural gas annually.
- Reducing application overlap on 250 million acres of cropland could save up to \$825 million in fertilizer and pesticide costs annually.
- Converting irrigation systems from medium or high pressure to low pressure could cut energy costs by up to \$100 million annually.
- Improving irrigation water efficiency by just 10 percent could reduce diesel consumption by 27 million gallons and save farmers and ranchers \$55 million annually.
- Doubling the amount of no-till acreage (from 62 million acres to 124 million acres) could save farmers and ranchers an additional 217 million gallons of diesel fuel per year, valued at about \$500 million annually.

Alabama Energy Improvement Partners

