

# United States Department of Agriculture Natural Resources Conservation Service



# Delaware

**ENERGY MANAGEMENT (CSP Enhancements)  
Delaware Enhancement Activity Job Sheet E-2**

**January 2005**

**Name:**

**Energy Audits**

Payment = \$500.00 / Energy Audit. This is a one time enhancement activity payment.

Agriculture faces rising costs for energy, regardless of whether the energy is embedded (energy used for production, transportation, and application that is 'captured' in fertilizer and pesticides), photosynthetic, or direct (energy derived directly from a source, such as electricity, butane, etc., and consumed for a particular use like heating, lighting, or transportation).

Through CSP, USDA's Natural Resources Conservation Service (NRCS) is encouraging farmers and ranchers to review how they use energy in their operations and look for ways to reduce costs, improve energy efficiency, and reduce impacts on the environment. An energy audit is the first step in energy management. Operators need to know current energy use before changes in efficiency can be measured. Once energy consumption and costs have been measured, users can perform a variety of analyses to determine which actions are most efficient, and take steps to make changes where necessary.

**Definition –** An energy audit identifies and evaluates energy management opportunities on the farm or ranch. During an audit, a baseline is developed to characterize and record energy use. Individual unit operations, processes, and major energy-consuming equipment are evaluated to identify energy management opportunities and high-return-on-investment projects. Typically an action report is produced that describes the baseline, each conservation opportunity area, an estimate of the cost to implement the changes, the savings that will be generated, and an estimation of the payback period.

**Who Performs Energy Audits? –** Farmers and ranchers interested in receiving a one time enhancement payment for an energy audit may hire a professional contractor or utility of their choice to conduct the audit. Operators should ensure that the contractor has relevant educational and professional experience, has a successful track record, can provide objective advice, has declared any financial relationships with equipment vendors or service companies, and has qualified staff.

**Documentation Required:** A receipt from the professional energy auditor is required prior to payment approval. A list of potential audit contractors is available from your local NRCS field office.

**Documentation Required:** Use the following Table for documentation and attach a plan map showing the location of the enhancement practices implemented.

Operation Identification	Audit Performed By	Date

### Certification

I certify that I have installed/performed the enhancements listed in the Table above.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

NRCS  
New Castle Agricultural Center  
2430 Old County Road  
Newark, Delaware 19702  
Phone: 302-832-3100

NRCS  
Kent County Agricultural Center  
800 Bay Road  
Suite #2  
Dover, Delaware 19901-4667  
Phone: 302-741-2600

NRCS  
Sussex County Agricultural Center  
408 North Dupont Highway  
Suite C  
Georgetown, Delaware 19947  
Phone: 302-856-3990

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's [TARGET Center](#) at 202-720-2600 (voice and TDD).

To file a complaint of discrimination write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice or TDD). USDA is an equal opportunity provider and employer.