

NYSERDA's

Agriculture Energy Audit Program

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800-732-1399



NYSERDA





- Contractor/Partner implementing the energy audit program for NYSERDA.
- Working with NYSERDA on various energy efficiency programs for almost 20 years.
- EnSave is a nationally recognized agriculture energy expert firm, working to promote energy efficiency and renewable projects with farms across the county.



Interested in reducing your farm's energy costs?

New York farms can cut energy use and costs with NYSERDA's Agriculture Energy Audit Program.

- No-cost energy audits to identify opportunities to save energy and money on utility bills
- Technical assistance to help identify and access funding for energy efficiency projects
- Apply online at: nyserdera.ny.gov/Agriculture

For more information call 1-800-732-1399 or email aEEP@nyserdera.ny.gov



NYSERDA

BENEFITS OF AN ENERGY AUDIT

A farm energy audit records and analyzes energy use on the farm and recommends actions to reduce energy usage and/or increase production.

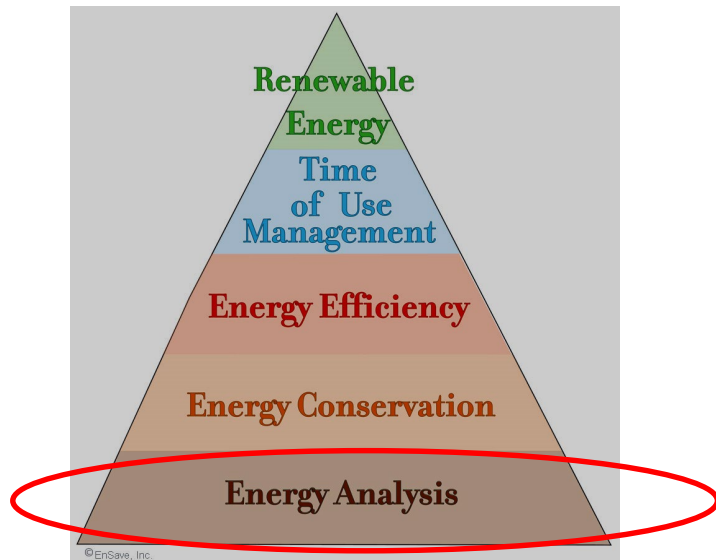
Inventories all stationary equipment used in the operation.

Can identify energy savings between 10-35%

Projects future use and energy needs.



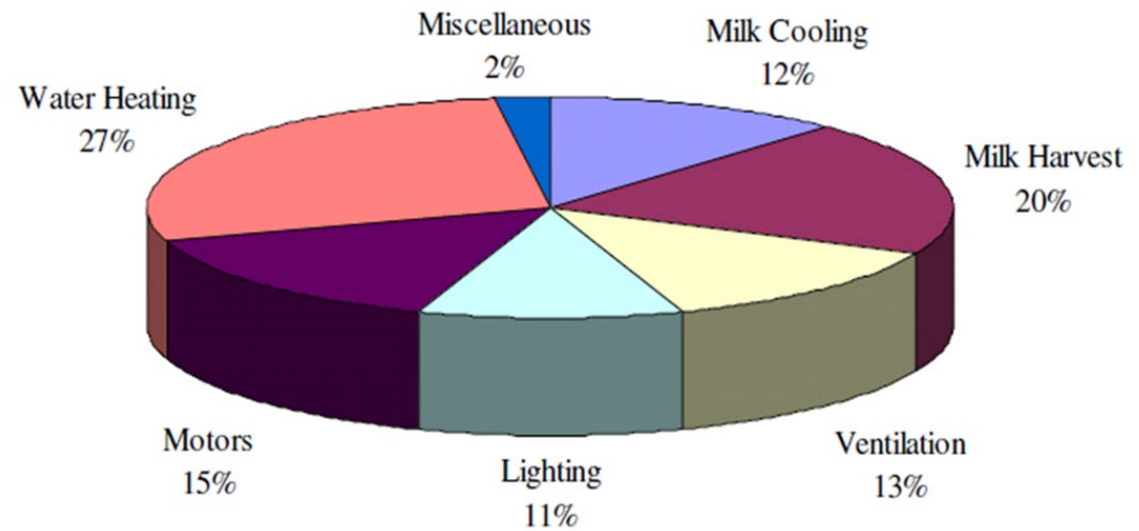
HOW CAN IT HELP ME?



The audit is the first step to taking control of energy on your farm.

These audits provide NYS farmers support in making sound investment decisions based on accessible, up-to-date information; and incorporating efficiency into the daily decision-making process.

DETAILED ANALYSIS OF ENERGY USAGE



No-Cost Agriculture Energy Audits

Identify energy efficient opportunities.

Evaluate renewable energy options.

Highlight opportunities to reduce operating costs and become more sustainable.

Eligibility:

Farms must be customers of a New York State investor-owned utility and contribute to the System Benefits Charge (SBC).

Farmer Commitment:

Gather the last 12 months of utility bills.

Provide time for a thorough walk-through with assigned engineer firm.

Technical Assistance:

Audit Review

Identify Potential funding sources/programs

Audit Level	Audit Activities	Type of Report that the Farm Receives
Comprehensive	Detailed energy audit	Energy audit report with calculated evaluations of appropriate energy efficiency measures including simple payback; meets ANSI/ASABE S612 standards
Targeted	Energy audit focused on specific systems, energy efficiency measures, or renewable energy	System-specific energy analysis report

AGRICULTURE ENERGY AUDIT PROGRAM (AEAP)

APPLICATION Agriculture Energy Audit



APPLICANT INFORMATION

Applicant / Farm Name _____ Contact Name and Title _____

Farm Address _____

City _____ State **NY** Zip _____ County _____

Primary Phone Number (include area code) _____ Email _____

Secondary Phone Number (include area code) _____ Fax _____

Best time to call: Morning Afternoon Evening

Correspondence Address (if different than Farm Address) _____

Check appropriate box:

- Dairy Orchard Poultry/eggs Greenhouse Vegetable
 Hog Vineyard Grain dryer Other _____

Farm size (For example: number of milking cows, acres of greenhouse, etc. Please label units.) _____

Annual Production (Please label units) _____ Number of employees _____

Electric Utility Company _____

Do you pay a System Benefits Charge (SBC) on your Electric utility bill? Yes No

Natural Gas Utility Company _____

If you are already working with a Flexible Technical Assistance (FlexTech) Consultant, list consultant's name. (If you are not already working with a Consultant, one will be assigned) _____

Audit level of interest:

- Comprehensive:** The FlexTech Consultant will visit the farm and provide a detailed energy audit with calculated evaluations of appropriate energy conservation measures including simple payback. The deliverable is an energy audit report that meets ANSI/ASABE S612 standards.
- Targeted:** The FlexTech Consultant will conduct a site visit focused on a specific system or measure, which could include renewable energy, with a more detailed analysis. The deliverable is a system-specific energy analysis report.
- I would like someone to call me to discuss what level is appropriate for my farm

AGREEMENT TO TERMS, CONDITIONS, AND CERTIFICATION

I, the Applicant, certify that the farm named on this application is interested in receiving an energy audit and request that NYSERDA set aside funds to contribute 100%, or \$2,500 for Comprehensive; or up to \$6,000 for Targeted, towards the allowable NYSERDA consultant fees. NYSERDA's contribution will be paid directly to the Consultant, provided the work is acceptable to the Applicant and NYSERDA.

I, the Applicant, understand that NYSERDA does not provide any endorsement of the Consultant's capabilities to provide services outside of the audit's Scope of Work to be conducted pursuant to this application. The Applicant acknowledges that neither NYSERDA nor its Consultant is responsible for assuring that the design, engineering, or installation of any recommendation of the technical service is proper or complies with any particular laws (including patent laws), codes, or industry standards. NYSERDA does not make any representations of any kind regarding the results to be achieved or the adequacy or safety of any recommendation.

NYSERDA does not endorse, guarantee, or warrant any particular manufacturer or product and NYSERDA provides no warranties, expressed or implied for any product or service.

Applications will be processed in the order received until program funds are fully committed. The Applicant certifies that this Facility is a customer of a New York State investor-owned utility and the System Benefits Charge (SBC) is paid.

I certify that I am an authorized signatory for the Applicant/Farm.

X _____

Authorized Applicant Signature

_____ Date

Name and Title (please print)

Please mail application to:

NYSERDA
Attn: Agriculture Energy Audit Program Administrator
17 Columbia Circle
Albany, NY 12203-6399

OR

[Submit via email](#)

For questions or assistance, please call 1-800-732-1399.



ENERGY AUDIT PROCESS

- **Application**
 - confirm SBC payment
- **NY Engineering Firm assigned**
 - Official confirmation letter from NYSERDA
- **Site Visit / Data Collect**
 - in-person site visit required
- **Audit completed in 3- 6 months**
 - Depends on audit level and farmer availability
 - Final Report is mailed
- **Technical Assistance Follow- up**
 - Support identifying incentive and rebate programs
 - Clarification on audit report questions
 - Support communicating with utilities and USDA

COMMONLY FUNDED ENERGY EFFICIENT MEASURES

- Replacing old lighting and/or fixtures with LEDs
- Installing VSDs on pumps and/fans
- Ventilation Improvements
- Refrigeration Upgrades
- Heat Recovery Units
- Scroll Compressors
- Motors
- Temperature Controls

NYSEG

> **Residential Agricultural Discount**

- receive a monthly discount on your electricity delivery bill

> **Commercial & Industrial Rebate Program**

- Opening Soon
- Prescriptive and Custom Projects
- Relies on Trade Ally to complete application

DELAWARE COUNTY ELECTRIC COOPERATIVE

> Hot Water Heaters

- Marathon Water Heaters (electric insulated hot water heaters)
 - For more information about Marathon heaters, contact us at office@dce.coop
- Hot Water Heater Load Control Program
 - **Sign Up for DCEC's Load Control Program and Get \$4.00 Taken Off your Bill Every Month!**
 - Do you have at least a 30-gallon electric hot water heater?
 - Do you use at least 350 kWh's per month?
 - If your answer was "YES" to all these questions and you would like to participate in DCEC's Load Management Program, which helps all DCEC members save money, please give us a call at (607) 746-9284 (no installation charge)!



CENTRAL HUDSON PROVIDES REBATES AND INCENTIVES.



- **Electric – Direct Install Replacement**
 - Small non-residential customers, with a maximum of 120 kW demand per location, seeking to improve efficiency by one-for-one replacement of existing lighting fixtures and/or refrigeration motors and controls.
- **Prescriptive Incentives**
 - This program offers HVAC and lighting measures for commercial customers. Working with a lighting and/or HVAC Central Hudson approved Trade Ally contractor can help steer your project in the most optimal direction which provides the best benefit for your business.
- **Custom Incentives**
 - This program covers equipment not offered in the other programs.

NEW CONSTRUCTION PROGRAM

- The Commercial New Construction Program offers objective technical and financial support to commercial building owners and tenants to effect a permanent transformation in the way buildings are designed and constructed in New York State.
- NYSERDA project managers and regionally based consultants will work with building owners and their design teams to analyze efficiency opportunities for new or substantially renovated commercial buildings. Additional support is available for projects which are being designed for deep energy savings, zero net energy and for projects which incorporate smart building technologies.

Contact us at

NewConstructionProgram@nyserda.ny.gov

1-866-NYSERDA

RENEWABLE ENERGY IN AGRICULTURE

NY SUN - Incentive and Financing Options

Farms must work with a participating contractor for eligibility

In addition to incentive and financing options, your business may qualify for federal and/or New York State tax credits and rebates for getting solar.

Energy Storage Incentive Program

Energy storage can help you lower your electricity bill, meet basic resiliency requirements, and ensure electricity is available when your needs are the highest.

Whether installed alone or paired with another on-site generation resource like solar, fuel cells, or combined heat and power energy storage can maximize the benefits of clean generation to be a cost-effective solution.



USDA PROGRAMS



REAP

RURAL ENERGY FOR AMERICAN PROGRAM

- **Eligible projects:** systems that generate energy from wind, solar, biomass, geothermal sources, energy efficiency improvements-upgrade equipment or processes
- **Eligibility:** producers and businesses in city/town with population under 50,000; 50% gross income from farm production; business with fewer than 500 employees and \$20 million in receipts
- **Funding levels:** up to 25% of project costs



EQIP

NATURAL RESOURCE CONSERVATION SERVICE

- **Eligible projects:** recommended measures through the use of eligible conservation practices, such as the Farmstead Energy Improvement practice
- **Eligibility:** Local NRCS staff determine eligibility for EQIP
- **Next application deadline:** NRCS accepts EQIP applications year-round but establishes cutoff dates to make funding selections for eligible, screened, and ranked applications.

Get Started with NYSERDA

1-800-732-7011

aep@nyserda.ny.gov

www.nyserda.ny.gov/agriculture



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