



Natural Resources Conservation Service
U.S. DEPARTMENT OF AGRICULTURE

Energy Conservation Choices

RHODE ISLAND



Rhode Island farmers, foresters, growers, and ranchers continually search for ways to increase profitability while being good land stewards. NRCS's national **On-Farm Energy Initiative** provides funding and technical help to install cost-effective energy efficiency practices through the **Environmental Quality Incentives Program (EQIP)**. All programs are voluntary and offer science-based solutions to benefit farmers and the environment.

Energy conservation practices save energy and money, improve air quality, and reduce on-farm air pollutants (particulate matter, nitrogen oxides, volatile organic compounds, and ozone precursors and depleters) and greenhouse gas emissions.

The Environmental Protection Agency (EPA) has found ground-level ozone – a harmful pollutant – to be present throughout Rhode Island. Ocean State farmers can help reduce emissions that create this harmful pollutant by installing energy conservation practices.

To be eligible for NRCS energy conservation programs, you may need to have an Energy Audit or an Ag Energy Management Plan (AgEMP). NRCS can offset the cost of an energy audit and AgEMP through EQIP. Once the audit or plan is completed, NRCS can help you install recommended energy conservation practices.



Visit your local USDA NRCS or Conservation District office. We can help you make the right choices to protect and improve your land and natural resources.

EASTERN RHODE ISLAND

Serving Bristol & Newport counties

NRCS Field Office

401-786-1389

kathryn.zuromski@usda.gov

Conservation District Office

401-934-0842

info@easternriconservation.org

NORTHERN RHODE ISLAND

Serving Providence county

NRCS Field Office

401-822-8835

ghyllian.alger@usda.gov

Conservation District Office

401-934-0840

mallard.nricd@gmail.com

SOUTHERN RHODE ISLAND

Serving Kent & Washington counties

NRCS Field Office

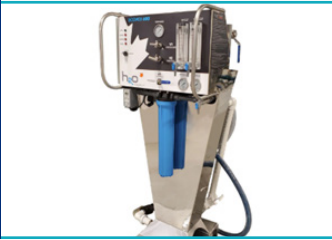
401-822-8837

jameson.long@usda.gov

Conservation District Office

401-326-9001

information@srncd.org

Practice		Description	Benefits
Combustion System Improvement		Replace a high-emitting diesel motor with a similarly sized new lower emission diesel or electric motor.	» Reduces harmful emissions » Increases fuel efficiency
Greenhouse Automatic/ Step Controllers		Replace a manually controlled system for heating, cooling, ventilation in a greenhouse with an automatic control system.	» Saves energy by only turning on systems when needed » Reduces harmful emissions
Greenhouse Heating/ Ventilation		Replace existing low efficiency greenhouse heater or ventilation fans with new high efficiency heater or ventilation fans.	» Reduces energy consumption » Reduces energy costs » Reduces harmful emissions
Insulation		Insulate climate-controlled greenhouses or barns with solid or bubble insulation.	» Improves heat retention to lower heating runtimes in colder months » Lower fuel costs
Greenhouse Roof Vent		Add a roof vent in a greenhouse primarily vented by fans.	» Provides better air circulation during warm months » Reduces energy consumption of ventilation fans » Reduces energy costs
Maple Syrup Reverse Osmosis, Preheaters, Evaporators		Reduce evaporation time with reverse osmosis system, sap preheater, or high efficiency evaporator.	» Energy savings up to: » 75% for reverse osmosis, » 43% for preheaters, and » 50% for high efficiency evaporators » More cost and time efficient
Variable Speed Drive		A device that hooks up to an electric motor for fans, pumps, or other ag. equipment that adjusts motor speed to match varied flow or pressure requirements.	» Increases energy efficiency » Decreases reliance on non-renewable energy sources

For more information visit www.RI.nrcs.usda.gov or call 401-828-1300