

## ***XV. National Programs***

### ***Environmental Quality Incentives Program***

**Purpose:** Provides financial and technical assistance to install or implement structural and management conservation practices. Sixty percent of total funds is targeted to projects involving animal agriculture. Water and air quality are two of the four national priorities. EQIP can be used for manure transport, composters, solids separators, land application of nutrients, and related equipment. EQIP is also open to new technologies and practices that have demonstrated effectiveness. To leverage EQIP for these new approaches, stakeholders, in cooperation with NRCS, need to develop an interim practice standard for that technology or practice.

**Eligible recipients:** Farmers and ranchers. EQIP can fund both individual and multi-farmer projects.

**Cost sharing:** Up to 75% of the costs of conservation practices or incentive payments for management practices.

**Funding:** Average of \$1 billion per year from 2002-2007. Per project maximum funding set at \$450,000.

**How to apply:** Contact local or state NRCS office.

**Website:** <http://www.nrcs.usda.gov/programs/eqip/index.html>

### ***EQIP Conservation Innovation Grants Program***

**Purpose:** Voluntary, competitive grants program intended to accelerate technology transfer and adoption of promising technologies and approaches to address some of the Nation's most pressing natural resource concerns.

**Eligible recipients:** Non-Federal governmental or non-governmental organizations, Tribes, or individuals. CIG will benefit agricultural producers by providing more options for environmental enhancement and compliance with Federal, State, and local regulations.

**Cost sharing:** 50% non-federal match. No more than 1/2 of match may be in-kind.

**Funding:** Funded as a subprogram of EQIP. FY04 funding set at \$41 million. In future years, there could be State CIG programs in addition to the national program.

**How to apply:** Respond to RFP, anticipated in early spring each year.

**Website:** <http://www.nrcs.usda.gov/programs/cig/>

### ***Renewable Energy Systems and Energy Efficiency Improvements Program: Section 9006 of 2002 Farm Bill***

**Purpose:** Establishes a grant, loan, and loan guarantee program to assist eligible farmers, ranchers, and rural small businesses in purchasing renewable energy systems for making energy efficiency improvements.

**Eligible recipients:** Farmers, ranchers, and rural small businesses.

**Cost sharing:** Grant amount not to exceed 25% of activity funded. Combined loan/grant not to exceed 50% of the cost of activity funded.

**Funding:** 2002-2007, \$23 million per year. FY03 funding activity: 47 biomass projects (\$11.5 million), 35 wind projects (\$7.4 million), 6 solar projects (\$700,000), 2 hybrid projects (\$600,000), 24 energy efficiency improvement projects (\$1.5 million). FY04 funding activity: \$22.9 million total.

**How to apply:** Respond to annual RFP.

**Website:** <http://www.rurdev.usda.gov/rbs/farmbill/index.html>

### ***Biomass Research and Development Program: Section 9008 of the 2002 Farm Bill***

**Purpose:** Support of research, development, and demonstration projects on biobased products, bioenergy, biofuels, and biopower.

**Eligible recipients:** Institutions of higher learning, federal and state research agencies, private sector entities, non-profit organizations.

**Cost sharing:** Minimum 20% non-federal.

**Funding:** Discretionary funding -- \$24 million authorization.

**Website:** <http://www.bioproducts-bioenergy.gov/>

### ***Value-Added Grants Program***

**Purpose:** To assist with marketing of value-added products. Grants may be used for planning activities and working capital for marketing value-added agricultural products and for farm-based renewable energy.

**Eligible recipients:** Independent producers, farmer and rancher cooperatives, agricultural producer groups, and majority-controlled producer-based business ventures.

**Cost sharing:** 1-1 match required from the applicant or a third party.

**Funding:** \$14.2 million discretionary funding for FY04. The maximum amount that can be awarded is \$500,000. Priority is given to projects under \$200,000.

**Website:** <http://www.rurdev.usda.gov/rbs/coops/vadg.htm>

### ***EPA Clean Water State Revolving Loan Fund***

**Purpose:** Fund a wide variety of water quality projects including all types of non-point source, watershed protection or restoration, and estuary management projects, as well as more traditional municipal wastewater treatment projects.

**Eligible recipients:** Range of borrowers including municipalities, communities of all sizes, farmers, homeowners, small businesses, and non-profit organizations.

**Funding:** CWSRF offers revolving loan funds to provide independent and permanent sources of low-cost financing for a wide range of water quality infrastructure projects. Total funds available to the program since its inception approaches \$47 billion. CWSRFs provide over \$100 million annually to control pollution from non-point sources and for estuary protection, exceeding \$1.7 billion to date.

**How to apply:** CWSRF monies are loaned to recipients and loan repayments are recycled back into the program to fund additional water quality protection projects.

**Website:** <http://www.epa.gov/owm/cwfinance/cwsrf/index.htm>

### ***EPA Water Quality Cooperative Agreements/Grants Program***

**Purpose:** Promote the prevention, reduction and elimination of pollution. Section 104(b)(3) funds are to be used to focus on innovative demonstration and special projects, including research, investigations, experiments, training, environmental technology demonstrations, surveys, and studies related to the causes, effects, extent, prevention, reduction, and elimination of pollution. In FY04-05, the Water Quality Cooperative Agreement has five priorities, including NPDES Program strategies to implement watershed-based efforts (demonstration projects that facilitate watershed-based permitting and trading or innovative techniques to facilitate NPDES program management) and Animal Feeding Operations (innovative or alternative technologies for CAFOs to treat/process wastewater or manage manure and

CAFO producer outreach programs to train/educate the industry on implementation of the CAFO rule.)

**Eligible recipients:** State water pollution control agencies, interstate agencies, municipalities, Indian tribes and other non-profit institutions. For-profit entities are not eligible.

**Cost sharing:** Cost share is not required.

**Funding:** In FY04, total funds were \$13.97 million. Per project funding ranges from \$10,000 to \$500,000. Average project size is \$100,000.

**How to apply:** Respond to the request for Initial Proposals issued by EPA.

**Website:** <http://www.epa.gov/owm/cwfinance/waterquality.htm>

### ***Sustainable Agriculture Research and Education Grants Program***

**Purpose:** Advance farming systems that are profitable, environmentally sound and good for communities through a nationwide research and education grants program. The program, part of USDA's Cooperative State Research, Education, and Extension Service, funds projects and conducts outreach designed to improve agricultural systems.

**Eligible recipients:** Researchers, agricultural educators, farmers and ranchers, and students in the United States.

**Funding:** Three types of programs:

- **Research and Education Grants:** Funding ranges from \$30,000 to \$150,000 and supports projects that usually involve scientists, producers, and others in an interdisciplinary approach.
- **Professional Development Grants:** To spread the knowledge about sustainable concepts and practices, these projects educate Cooperative Extension Service staff and other agricultural professionals.
- **Producer Grants:** Producers apply for grants that typically run between \$1,000 and \$15,000 to conduct research, marketing and demonstration projects and share the results with other farmers and ranchers.

**How to apply:** Respond to SARE call for proposals from the appropriate region. The four SARE regions are North Central, Northeast, Southern, and Western.

**Website:** <http://www.sare.org/grants/index.htm>



# Funding Options for Innovative Manure Management

## XVI. State Programs

The following table lists some of the programs offered by states that can provide producers with some financial assistance for implementing technologies and practices to improve manure management. We have not included information about the nutrient management best management practice cost-share and incentive programs offered by most states because they are so numerous and common. We have selected those programs that offer assistance for a wide variety of options for managing and treating manure, with a particular focus on programs that fund more innovative approaches and those included in this report. This is not a complete list, and we apologize for any omissions.

State	Program	Purpose and website	Technologies in NDESC report fundable under this program
AL	Renewable Fuels Interest Subsidy Program	Interest subsidy payments on loans to install qualified biomass projects <a href="http://216.226.178.189/txtlstvw.aspx?LstID=7d865154-617a-495b-afb8-5cf4271b56ed">http://216.226.178.189/txtlstvw.aspx?LstID=7d865154-617a-495b-afb8-5cf4271b56ed</a>	Anaerobic digesters
AR	Non-point Source Management Programs	Grants to fund best management practices in priority watersheds, including anaerobic digestion <a href="http://www.state.ar.us/aswcc/NPS_Webpage/Mgmt.html">http://www.state.ar.us/aswcc/NPS_Webpage/Mgmt.html</a>	Anaerobic digesters Possibly honey vac Possibly solids separation Composting Targeted nutrient application Feed management MIG
CA	Section 319 Grants	Help meet developed total daily maximum load limits in impaired watersheds <a href="http://www.swrcb.ca.gov/funding/319h.html">http://www.swrcb.ca.gov/funding/319h.html</a>	Anaerobic digesters Possibly honey vac Possibly solids separation Composting Targeted nutrient application Feed management MIG
CA	Self-Generation Incentive Program	Provide financial incentives for business and residential customers who install up to 1.5 MW of "clean" distributed generation equipment onsite <a href="http://www.sdenergy.org/ContentPage.asp?ContentID=35&amp;SectionID=24">http://www.sdenergy.org/ContentPage.asp?ContentID=35&amp;SectionID=24</a>	Anaerobic digesters
CA	Energy Efficiency Improvements Loan Fund	Low-interest loans to small businesses in California for renewable energy systems <a href="http://www.safe-bidco.com">http://www.safe-bidco.com</a>	Anaerobic digesters
IL	Clean Energy Community Foundation Grant	Developing and increasing the use of renewable energy resources - wind power, solar power, biomass energy and innovative new technologies such as fuel cells - that can decrease pollution, diversify Illinois' energy portfolio and create economic benefits for the state's communities <a href="http://www.illinoiscleanenergy.org">http://www.illinoiscleanenergy.org</a>	Anaerobic digesters
IL	Renewable Energy Resource Program	Promotion of renewable energy investment, development, and utilization in Illinois <a href="http://www.illinoisbiz.biz/com/energy/renewable.html">http://www.illinoisbiz.biz/com/energy/renewable.html</a>	Anaerobic digesters
IN	Alternative Power and Energy Grant Program	Support for ventures by businesses and institutions seeking to install and study alternative and renewable energy systems that generate electricity, heat or cool buildings, or transform waste to energy <a href="http://www.in.gov/doc/businesses/APEGPguidelines.html">http://www.in.gov/doc/businesses/APEGPguidelines.html</a>	Anaerobic digesters
IN	Distributed Generation Grant Program	For businesses and institutions seeking to install and study alternatives to central generation systems. The systems must employ either renewable or high-efficiency distributed generation technologies <a href="http://www.in.gov/doc/businesses/EP_transportation.html">http://www.in.gov/doc/businesses/EP_transportation.html</a>	Anaerobic digesters

State	Program	Purpose and website	Technologies in NDESC report fundable under this program
IN	Indiana Biomass Grant Program	To assist in the research and implementation of Indiana biomass energy systems <a href="http://www.in.gov/doc/businesses/EP_Basics.html">http://www.in.gov/doc/businesses/EP_Basics.html</a>	Anaerobic digesters
IA	Alternative Energy Revolving Loan Program	Promotion of the development of renewable energy production in Iowa. Approximately 20% of funds are targeted to biomass energy products <a href="http://www.energy.iastate.edu/funding/aerlp-index.html">http://www.energy.iastate.edu/funding/aerlp-index.html</a>	Anaerobic digesters
IA	Energy Center Grants	Energy related research, demonstration, and education <a href="http://www.energy.iastate.edu/funding/gp-research.html">http://www.energy.iastate.edu/funding/gp-research.html</a>	Anaerobic digesters
KS	State Energy Program Grants	Promotion of energy conservation and efficiency projects, including biomass energy projects, to foster commercialization of developing and underutilized technologies <a href="http://www.kcc.state.ks.us/energy/forms.htm">http://www.kcc.state.ks.us/energy/forms.htm</a>	Anaerobic digesters
MI	Biomass Energy Program	To encourage increased production and use of energy derived from biomass resources through program policies, public and private partnerships, information dissemination, and state project grants <a href="http://www.michigan.gov/cis/0,1607,7-154-25676_25753_30522---,00.html">http://www.michigan.gov/cis/0,1607,7-154-25676_25753_30522---,00.html</a>	Anaerobic digesters
MN	Sustainable Agriculture Loan Program	Loans to facilitate sustainable farming practices, including alternative agricultural practices among farms that enhance environmental quality while endowing farmers with long-term economic benefits <a href="http://www.mda.state.mn.us/esap/esaploan.htm">http://www.mda.state.mn.us/esap/esaploan.htm</a>	Anaerobic digesters Possibly honey vac Possibly solids separation Composting Targeted nutrient application Feed management MIG
MI, MN, ND, SD, WI	Xcel Energy Renewable Development Fund	Grants for the production of renewable energy, as well as research and development leading to full commercialization of renewable technologies <a href="http://www.xcelenergy.com">http://www.xcelenergy.com</a>	Anaerobic digesters
MO	Animal Waste Treatment Loan Program	Fixed rate loans that can be used to purchase new animal waste treatment systems and make improvements to existing systems for independent farmers <a href="http://www.mda.state.mo.us/Financial/a2c.htm">http://www.mda.state.mo.us/Financial/a2c.htm</a>	Anaerobic digesters Possibly honey vac Possibly solids separation Composting Targeted nutrient application Feed management MIG
MT	Alternative Energy Revolving Loan Program	Provide funding for homeowners and small businesses seeking to install alternative energy systems, of which digester gas qualifies, for onsite use <a href="http://www.deq.state.mt.us/energy/Renewable/altenergyloan.asp">http://www.deq.state.mt.us/energy/Renewable/altenergyloan.asp</a>	Anaerobic digesters
NY	New York State Energy Research and Development Authority	Financial and technical assistance for energy-efficient farm waste management, on-farm energy efficiency improvements, use of low-cost waste biomass, and other types of research to improve productivity and profitability of the agriculture sector <a href="http://www.nyserda.org/">http://www.nyserda.org/</a>	Anaerobic digesters
NC	Energy Improvement Loan Program	Low interest loans for onsite renewable energy electricity generation <a href="http://www.energync.net">http://www.energync.net</a>	Anaerobic digesters
NC	Section 319 Grants	To support best management practice demonstration projects, environmental education, and technology transfer <a href="http://h2o.enr.state.nc.us/nps">http://h2o.enr.state.nc.us/nps</a>	Anaerobic digesters Lagoon covers Possibly honey vac Possibly solids separation Composting Targeted nutrient application Feed management MIG

State	Program	Purpose and website	Technologies in NDESC report fundable under this program
OH	Water Pollution Control Loan Fund	Low interest loans for the environmentally sound collection, treatment, disposal, and reuse of livestock waste. Particular interest to projects that use innovative technologies that increase the effectiveness of reducing and reusing livestock wastes  <a href="http://www.epa.state.oh.us/defa/assistance_programs.html">http://www.epa.state.oh.us/defa/assistance_programs.html</a>	Anaerobic digesters Lagoon covers Possibly honey vac Possibly solids separation Composting Targeted nutrient application Feed management MIG
OR	New Renewable Energy Resources Grants	Fund renewable energy and energy efficiency projects in Oregon to help the state meet its goal of generating 10% of its energy from renewable sources by 2012  <a href="http://www.energytrust.org/index.html">http://www.energytrust.org/index.html</a>	Anaerobic digesters
OR	Section 319 Grants	Address water quality impairments in priority areas. Grant money can be used to assess or evaluate the effectiveness of agricultural management practices targeted to water quality concerns  <a href="http://www.deq.state.or.us/wq/nonpoint/wq319gt.htm">http://www.deq.state.or.us/wq/nonpoint/wq319gt.htm</a>	Anaerobic digesters Lagoon covers Possibly honey vac Possibly solids separation Composting Targeted nutrient application Feed management MIG
OR	State Energy Loan Program	Low interest, long term, fixed rate loans for energy projects targeted to projects that promote energy conservation, development of renewable energy resources, or use of alternative fuels  <a href="http://egov.oregon.gov/ENERGY/LOANS/selphm.shtml">http://egov.oregon.gov/ENERGY/LOANS/selphm.shtml</a>	Anaerobic digesters
PA	Energy Harvest Program	Promote advanced energy technologies proven to generate jobs, improve air quality, preserve land, protect watersheds and enhance energy security, with an emphasis on renewable energy deployment; biomass energy projects; waste coal reclamation for energy; implementation of innovative energy efficiency technologies; or clean distributed generation infrastructure improvements  <a href="http://www.dep.state.pa.us/dep/deputate/pollprev/EHG/default.htm">http://www.dep.state.pa.us/dep/deputate/pollprev/EHG/default.htm</a>	Anaerobic digesters
PA	Sustainable Energy Funds	Provide loans, investments, and grants for use of renewable energy resources  <a href="http://www.gggc.state.pa.us/gggc/cwp/view.asp?a=3&amp;q=151721">http://www.gggc.state.pa.us/gggc/cwp/view.asp?a=3&amp;q=151721</a> ,	Anaerobic digesters
TX	Lonestar Revolving Loan Program	To provide loans to all public entities for projects that provide long-term energy savings  <a href="http://www.seco.cpa.state.tx.us/lr.html">http://www.seco.cpa.state.tx.us/lr.html</a>	Anaerobic digesters
VT	Vermont Methane Program	Promote the use of methane recovery technology on Vermont dairy farms  <a href="http://www.state.vt.us/psd/Menu/EE_and_Renewable/Methane.htm">http://www.state.vt.us/psd/Menu/EE_and_Renewable/Methane.htm</a>	Anaerobic digesters
VT	Lake Champlain Basin Alternative Manure Management Grant Program	Demonstration of technologies to reduce on-farm nutrient production from animal manures  <a href="http://www.lcbp.org">http://www.lcbp.org</a>	Anaerobic digestion Solids separation
WI	Focus on Energy	Equipment grant for purchasing renewable energy equipment, demonstration grants for educating the public about renewable energy systems, or cash back rewards for installation, purchase, and upgrade of a bioenergy system that generates electricity or heat  <a href="http://www.focusonenergy.com">http://www.focusonenergy.com</a>	Anaerobic digesters