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04/14/2011



Iowa

Incentives/Policies for Renewables & Efficiency

Financial Incentives

Energy Replacement Generation Tax Exemption

Last DSIRE Review: 12/06/2010

Program Overview:

State:	Iowa
Incentive Type:	Corporate Exemption
Eligible Renewable/Other Technologies:	Landfill Gas, Wind, Hydroelectric, Self-generators
Applicable Sectors:	Commercial, Industrial, Residential, Local Government
Amount:	100% exemption for self-generators, landfill gas and wind; reduced rate for large hydro
Maximum Incentive:	None
Start Date:	01/01/2008 (retroactively effective)
Authority 1:	Iowa Code § 437A.6
Authority 2:	Iowa Code § 437A.3(27)
Authority 3:	S.F. 478 (Sec. 225)
Date Enacted:	05/26/2009
Date Effective:	01/01/2008 (retroactively effective)

Summary:

Iowa imposes a replacement generation tax of 0.06 cents (\$0.0006) per kWh on various forms of electricity generated within the state. This tax is imposed in lieu of a property tax on generation facilities.

Under the Energy Replacement Generation Tax Exemption, all energy generated by methane gas conversion property, to the extent the property is used in connection or conjunction with a publicly owned sanitary landfill or used to collect waste that would otherwise be collected by or

deposited with a publicly owned sanitary landfill, and wind energy conversion property is exempt from the replacement generation tax. In addition, large hydroelectric generators (100 MW or more) pay a reduced generation tax equivalent to \$0.000001847 per kWh. Self-generators with on site facilities are also exempt from the replacement tax on electricity generation. However, self-generators must wholly own or lease the facility in question and produce electricity solely for their own consumption, except for inadvertent unscheduled deliveries to their electric utility.

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Renewable Energy Production Tax Credits (Corporate)

Last DSIRE Review: 12/09/2010

Program Overview:

State: Iowa

Incentive Type: Corporate Tax Credit

Eligible Renewable/Other Technologies: Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass, Hydrogen, Anaerobic Digestion

Applicable Sectors: Commercial, Industrial, Schools, Rural Electric Cooperative, Agricultural, Institutional

Amount: 1.5¢/kWh (IA Code § 476C) or 1.0¢/kWh (IA Code § 476B) for 10 years after facility begins producing energy

Maximum Incentive: 1.5¢/kWh (IA Code § 476C)

Eligible System Size: **Iowa Code 476B:** 2 MW – 30 MW generally for applications after March 1, 2008; Schools, Hospitals: Minimum 750 kW for applications after June 30, 2009
Iowa Code 476C: Facility's combined capacity may not exceed 2.5 MW per qualifying owner

Equipment Requirements: Facilities must be certified by the Iowa Utilities Board (IUB)

Carryover Provisions: Credits in excess of tax liability in a given year may be carried forward

up to 7 years
Start Date: 01/01/2008 (retroactive to 2008 tax year)
Web Site: <http://www.state.ia.us/government/com/util/en...>
Authority 1: [IA Code § 476C](#)
Date Enacted: 6/15/2005
Date Effective: 6/15/2005
Authority 2: [IA Code § 476B](#)
Date Enacted: 6/15/2005
Date Effective: 6/15/2005
Authority 3: [IAC 199-15.18 et seq.](#)
Date Effective: 09/30/2009
Authority 4: [S.F. 456](#)
Date Enacted: 04/23/2009
Date Effective: 01/01/2008 (retroactive to 2008 tax year)

Summary:

In June 2005, Iowa enacted legislation creating two separate production tax credit programs for energy generated by eligible wind and renewable energy facilities. An eligible facility can qualify for only one of the two credits, codified as Iowa Code § 476C and § 476B. On January 26, 2006, the Iowa Utilities Board (IUB) adopted rules governing the facility eligibility process (Docket No. RMU-05-08). Subsequent amendments resulted in further rule changes, culminating with the issuance of a final rule amendment by the IUB in July 2008 (IUB Docket No. RMU-08-04), which has now been incorporated into the administrative code (IAC 199-15.18 through 199-15.21). Sections 476B and 476C were amended yet again in April 2009 by S.F. 456 and accompanying rule changes were adopted effective September 30, 2009.

Iowa Code § 476C Tax Credit – Wind and Other Renewable-Energy Facilities

Under Iowa Code § 476C, a production tax credit of 1.5¢ per kilowatt-hour is available for energy generated and sold by eligible wind energy generators and other renewable energy facilities, including biomass and solar. Under the same law, Iowa offers \$4.50 per million BTUs of biogas used to generate either electricity or heat for commercial purposes, or \$1.44 per thousand cubic feet of hydrogen fuel generated and sold by an eligible renewable energy facility. These credits may be applied toward the state's personal income tax, business tax, financial institutions tax, or sales and use tax.

To qualify for the credit, a renewable energy facility must be at least 51% owned by specifically defined qualifying owners, and must be approved as eligible by the IUB. Furthermore, facilities must be placed into service on or after July 1, 2005, and before January 1, 2012. The maximum total amount of wind generating capacity eligible for this credit was increased from 180 megawatts (MW) to 330 MW in April 2009. The maximum total eligibility for other renewable technologies is 20 MW. A facility's combined capacity may not exceed 2.5 MW per qualifying owner, and facility owners may not have an ownership interest in more than two eligible facilities. Facilities must be operational within 30 months of IUB approval to maintain eligibility status, although for wind energy facilities that are delayed by equipment availability issues, the April 2009 legislation allows an additional 12 months, or a total of 42 months, for the facility to

become operational.

Regarding total maximum eligibility limits, as of December 2010 active applications on file with the IUB exceeded the 20 MW maximum (22.4 MW in active applications) for other renewable technologies. For wind technologies, the total amount of eligibility requested exceeds the 330 MW maximum by 50.268 MW. If there is a reduction in capacity for any of the eligible facilities, or if any of the facilities are not operational within the statutory time limits, released capacity will become available to those who did not receive a full allocation of requested capacity, or who filed an application after capacity limits were fully subscribed. If any capacity is released, applications will be processed in the order received.

The IUB will verify the number of kilowatt-hours or BTUs sold by each eligible facility. The Iowa Department of Revenue will review the tax credit application and IUB verification, and issue and track the tax credit certificates. Credit certificates in excess of a taxpayer's liability for a taxable year may be carried forward for a maximum of seven years. Certificates may be transferred or sold one time to a third party. Transferred certificates may be used against a different type of tax than that noted on the original certificate.

Iowa Code § 476B Tax Credit – Wind-Energy Facilities Only

Under Iowa Code § 476B, a production tax credit of 1.0¢ per kilowatt-hour is available for electricity generated by eligible wind energy facilities, including electricity used for on-site consumption. The tax credit may be applied toward the state's personal income tax, business income tax, financial institutions tax, sales and use tax, or energy replacement generation tax. This credit was formerly not available to facility owners that received the state's property tax exemption for renewable energy systems, the local option special assessment of wind energy devices, or the sales tax exemption for wind energy equipment. However, the April 2009 legislation removed this restriction effective for the 2008 tax year and thereafter. (See the DSIRE records for more information on these incentives).

To qualify for the credit, a wind energy facility must be approved as eligible by the IUB. There are no specific ownership criteria for individual projects; however, facility owners may not own more than two eligible facilities, and must have an executed power purchase agreement or interconnection agreement except when the electricity is used for on-site consumption. Facilities must be placed into service on or after July 1, 2005, but before July 1, 2012. For applications filed on or after March 1, 2008, facilities must have a minimum nameplate capacity of at least 2 MW and a maximum capacity of 30 MW. Applications from schools, colleges, universities, and hospitals filed on or after July 1, 2009 must have a minimum nameplate capacity of 750 kW. The maximum total amount of generating capacity eligible for the credit is 150 MW (decreased from 450 MW in April 2009). As of December 2010, available capacity totaled 124.5 MW out of the 150 MW maximum. Facilities must be operational within 18 months of IUB approval to maintain eligibility status. Facility owners may apply for a 12-month extension of the 18-month limit if they are unable to obtain generating equipment.

If there is a reduction in capacity for any of the eligible facilities, or if any of the facilities are not operational within 18 or 30 months, released capacity will become available to those who did not

receive a full allocation of requested capacity, or who filed an application after capacity limits were fully subscribed. If any capacity is released, applications will be processed in the order received. Facility owners may apply for wind energy tax credit certificates over a 10-year period, beginning with the initial production of electricity.

The IUB will verify the number of kilowatt-hours sold by each eligible facility. The Iowa Department of Revenue will review the tax credit application and IUB verification, and issue and track the tax credit certificates. Credit certificates in excess of a taxpayer's liability for a taxable year may be carried forward for a maximum of seven years. The certificates are freely transferable (i.e., they can be transferred more than once). Transferred certificates may be used against a different type of tax than that noted on the original certificate.

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Farmers Electric Cooperative (Kalona) - Renewable Energy Purchase Rate

Last DSIRE Review: 01/05/2011

Program Overview:

State:	Iowa
Incentive Type:	Performance-Based Incentive
Eligible Renewable/Other Technologies:	Photovoltaics, Wind
Applicable Sectors:	Commercial, Residential
Amount:	\$0.20/kWh
Maximum Incentive:	Payment limited to 25% of customers monthly kWh usage
Terms:	10 years
Eligible System Size:	500 W - 10 kW (AC)
Ownership of Renewable Energy Credits:	Utility during incentive term (10 years), customer thereafter
Web Site:	http://www.feckalona.com/energyRenewables.htm...

Summary:

Farmers Electric Cooperative (FEC) offers a production incentive to members that install qualifying wind and solar electricity generating systems. Qualifying grid-tied solar and wind energy systems are eligible for a \$0.20 per kilowatt-hour (kWh) production incentive for up to 10 years for energy production that offsets up to 25% of monthly energy usage.

This is a buy-all, sell-all arrangement where the customer-generator purchases all of their electricity from the utility at the normal retail rate, and sells the entire output of their qualifying system (up to 25% of their own monthly consumption) to the utility. As a result, this arrangement requires two meters; one to measure the renewable energy system's production and one to measure the electricity used by the home or business.

Energy production beyond 25% of a customer's consumption can be used to offset on-site usage through the utility's net metering program. This special energy purchase rate is only available for systems placed in service on or after January 1, 2008, and customers must participate in the utility's Green Power Project in order to qualify. The utility also offers a [renewable energy rebate program](#) to help offset the initial upfront cost of qualifying solar and wind energy systems.

Contact:

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E-Mail: sales@feckalona.com
Web Site: <http://www.feckalona.com/index.html>

Renewable Energy Production Tax Credit (Personal)

Last DSIRE Review: 04/08/2011

Program Overview:

State:	Iowa
Incentive Type:	Personal Tax Credit
Eligible Renewable/Other Technologies:	Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass, Hydrogen, Anaerobic Digestion
Applicable Sectors:	Commercial, Industrial, Residential, Schools, Rural Electric Cooperative, Agricultural, Institutional
Amount:	1.5¢/kWh (IA Code § 476C) or 1.0¢/kWh (IA Code § 476B) for 10 years after facility begins producing energy
Maximum Incentive:	1.5¢/kWh (IA Code § 476C) Iowa Code 476B: 2 MW – 30 MW generally for applications after March 1, 2008; Schools, Hospitals: Minimum 750 kW for applications after June 30, 2009 Iowa Code 476C: Facility's combined capacity may not exceed 2.5 MW per qualifying owner
Eligible System Size:	
Equipment Requirements:	Facilities must be certified by the Iowa Utilities Board (IUB)
Carryover Provisions:	Credits in excess of tax liability in a given year may be carried forward up to 7 years
Start Date:	01/01/2008 (retroactive to 2008 tax year)
Web Site:	http://www.state.ia.us/government/com/util/en...
Authority 1:	IA Code § 476C
Date Enacted:	6/15/2005
Date Effective:	6/15/2005
Authority 2:	IA Code § 476B
Date Enacted:	6/15/2005
Date Effective:	6/15/2005
Authority 3:	IAC 199-15.18 et seq.
Date Effective:	09/30/2009
Authority 4:	S.F. 456
Date Enacted:	04/23/2009
Date Effective:	01/01/2008 (retroactive to 2008 tax year)

Summary:

In June 2005, Iowa enacted legislation creating two separate production tax credit programs for energy generated by eligible wind and renewable energy facilities. An eligible facility can

qualify for only one of the two credits, codified as Iowa Code § 476C and § 476B. On January 26, 2006, the Iowa Utilities Board (IUB) adopted rules governing the facility eligibility process (Docket No. RMU-05-08). Subsequent amendments resulted in further rule changes, culminating with the issuance of a final rule amendment by the IUB in July 2008 (IUB Docket No. RMU-08-04), which has now been incorporated into the administrative code (IAC 199-15.18 through 199-15.21). Sections 476B and 476C were amended yet again in April 2009 by S.F. 456 and accompanying rule changes were adopted effective September 30, 2009.

Iowa Code § 476C Tax Credit – Wind and Other Renewable-Energy Facilities

Under Iowa Code § 476C, a production tax credit of 1.5¢ per kilowatt-hour is available for energy generated and sold by eligible wind energy generators and other renewable energy facilities, including biomass and solar. Under the same law, Iowa offers \$4.50 per million BTUs of biogas used to generate either electricity or heat for commercial purposes, or \$1.44 per thousand cubic feet of hydrogen fuel generated and sold by an eligible renewable energy facility. These credits may be applied toward the state's personal income tax, business tax, financial institutions tax, or sales and use tax.

To qualify for the credit, a renewable energy facility must be at least 51% owned by specifically defined qualifying owners, and must be approved as eligible by the IUB. Furthermore, facilities must be placed into service on or after July 1, 2005, and before January 1, 2012. The maximum total amount of wind generating capacity eligible for this credit was increased from 180 megawatts (MW) to 330 MW in April 2009. The maximum total eligibility for other renewable technologies is 20 MW. A facility's combined capacity may not exceed 2.5 MW per qualifying owner, and facility owners may not have an ownership interest in more than two eligible facilities. Facilities must be operational within 30 months of IUB approval to maintain eligibility status, although for wind energy facilities that are delayed by equipment availability issues, the April 2009 legislation allows an additional 12 months, or a total of 42 months, for the facility to become operational.

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Iowa Code § 476B Tax Credit – Wind-Energy Facilities Only

Under Iowa Code § 476B, a production tax credit of 1.0¢ per kilowatt-hour is available for electricity generated by eligible wind energy facilities, including electricity used for on-site consumption. The tax credit may be applied toward the state's personal income tax, business income tax, financial institutions tax, sales and use tax, or energy replacement generation tax. This credit was formerly not available to facility owners that received the state's property tax exemption for renewable energy systems, the local option special assessment of wind energy devices, or the sales tax exemption for wind energy equipment. However, the April 2009 legislation removed this restriction effective for the 2008 tax year and thereafter. (See the DSIRE records for more information on these incentives).

To qualify for the credit, a wind energy facility must be approved as eligible by the IUB. There are no specific ownership criteria for individual projects; however, facility owners may not own more than two eligible facilities, and must have an executed power purchase agreement or interconnection agreement except when the electricity is used for on-site consumption. Facilities must be placed into service on or after July 1, 2005, but before July 1, 2012. For applications filed on or after March 1, 2008, facilities must have a minimum nameplate capacity of at least 2 MW and a maximum capacity of 30 MW. Applications from schools, colleges, universities, and hospitals filed on or after July 1, 2009 must have a minimum nameplate capacity of 750 kW. The maximum total amount of generating capacity eligible for the credit is 150 MW (decreased from 450 MW in April 2009). As of December 2010, available capacity totaled 124.5 MW out of the 150 MW maximum. Facilities must be operational within 18 months of IUB approval to maintain eligibility status. Facilities must be operational within 18 months of IUB approval to maintain eligibility status. Facility owners may apply for a 12-month extension of the 18-month limit if they are unable to obtain generating equipment.

If there is a reduction in capacity for any of the eligible facilities, or if any of the facilities are not operational within 18 or 30 months, released capacity will become available to those who did not receive a full allocation of requested capacity, or who filed an application after capacity limits were fully subscribed. If any capacity is released, applications will be processed in the order received. Facility owners may apply for wind energy tax credit certificates over a 10-year period, beginning with the initial production of electricity.

The IUB will verify the number of kilowatt-hours sold by each eligible facility. The Iowa Department of Revenue will review the tax credit application and IUB verification, and issue and track the tax credit certificates. Credit certificates in excess of a taxpayer's liability for a taxable year may be carried forward for a maximum of seven years. The certificates are freely transferable (i.e., they can be transferred more than once). Transferred certificates may be used against a different type of tax than that noted on the original certificate.

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Local Option - Special Assessment of Wind Energy Devices

Last DSIRE Review: 10/27/2010

Program Overview:

State:	Iowa
Incentive Type:	Property Tax Incentive
Eligible Renewable/Other Technologies:	Wind
Applicable Sectors:	Commercial, Industrial, Residential, Agricultural
Amount:	Local option
Maximum Incentive:	Local option
Start Date:	01/01/1994
Web Site:	http://www.state.ia.us/tax/locgov/propwindcod...
Authority 1:	Iowa Code § 427B.26
Authority 2:	IAC 701—80.13(1)
Summary:	

This statute allows any city or county to pass an ordinance assessing wind energy conversion equipment at a special valuation for property tax purposes, beginning at 0% of the net acquisition cost in the first assessment year and increasing annually by five percentage points to a maximum of 30% of the net acquisition cost in the 7th and succeeding years.

If a city or county repeals the ordinance, the wind energy property shall be valued at the special rate until the end of the 19th assessment year following the first assessment year. Once this period has ended, the property is valued at the market value rather than 30% of net acquisition cost. The taxpayer must file for the special valuation by February 1 of the assessment year in which the wind system is first assessed for property tax purposes.

An October 2008 [opinion](#) from the Iowa Department of Revenue clarifies that Iowa Code § 427B.26 does not allow for partial assessments of wind energy property and that wind plants are not subject to assessment until they are completed.

If an ordinance has not been adopted, or if the taxpayer fails to file for the special valuation, the system shall be assessed under Iowa Code 428.24 to 428.29 and 441.21(8), which provide that the assessable and taxable value of property shall not increase with the new construction of wind or solar energy systems for five years.

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Methane Gas Conversion Property Tax Exemption

Last DSIRE Review: 10/26/2010

Program Overview:

State: Iowa

Incentive Type: Property Tax Incentive

Eligible Renewable/Other Technologies: Landfill Gas, Biomass, Anaerobic Digestion

Applicable Sectors: Commercial, Industrial, Residential, Agricultural
Amount: 100% exemption for 10 years.
Maximum Incentive: Not specified.
Start Date: 01/01/2008 (retroactive)
Expiration Date: 12/31/2012 (in-service deadline for some facilities)
Web Site: <http://www.iowa.gov/tax/locgov/prop071409.htm...>
Authority 1: [Iowa Code § 427.1\(29\)](#)
Authority 2: [S.F. 478](#)
Date Enacted: 05/26/2009
Date Effective: 01/01/2008 (retroactive)
Expiration Date: 12/31/2012 (in-service deadline for some facilities)

Summary:

Under Iowa's methane gas conversion property tax exemption, real and personal property used to decompose waste and convert the waste to gas, collect the methane or other gases, convert the gas to energy, or to collect waste for these purposes is exempt from property tax. This section was formerly written to only apply to facilities operated in connection with or in conjunction with a publicly-owned sanitary landfill. However, in 2009 the law was revised by S.F. 478 (retroactively effective to January 1, 2008) in such a way that it now appears to apply to other technologies that use waste materials to generate methane (e.g., anaerobic digesters).

For facilities that *are not located* at publicly-owned sanitary landfills, the exemption may only be claimed if the facility is placed in service between January 1, 2008 and December 31, 2012. In addition, such projects may only claim the exemption for 10 years, a restriction that is not placed on facilities at a publicly-owned sanitary landfill. If other fuels in addition to methane are burned, the exemption is equal to the ratio of methane in the overall fuel mix. The claimant must file an application ([Form 54-065](#)) annually with the local assessor by February 1st of each year in order to claim the exemption.

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Last DSIRE Review: 01/04/2011

Program Overview:

State: Iowa
Incentive Type: Property Tax Incentive
Eligible Renewable/Other Technologies: Passive Solar Space Heat, Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Photovoltaics, Wind
Applicable Sectors: Commercial, Industrial, Residential, Agricultural
Amount: 100% exemption for 5 years.
Maximum Incentive: Not specified.
Start Date: 01/01/1978
Authority 1: [Iowa Code § 441.21\(8\)](#)
Date Effective: 01/01/1978

Summary:

In Iowa, the market value added to a property by a solar or wind energy system is exempt from the state's property tax for five full assessment years. According to Iowa law, eligible systems include (1) a system of equipment capable of collecting and converting incident solar radiation or wind energy into thermal, mechanical, or electrical energy and transforming these forms of energy by a separate apparatus to storage or to a point of use which is constructed or installed after January 1, 1978; or (2) a system that uses the basic design of the building to maximize solar heat gain during the cold season and to minimize solar heat gain in the hot season and that uses natural means to collect, store and distribute solar energy which is constructed or installed after January 1, 1981.

The Iowa Department of Revenue has issued an [opinion](#) determining that this exemption can be applied to systems whose "primary purpose" is to store or provide electricity for use at the site where the system is located. This clarifies that systems which periodically export electricity to the grid (e.g., net metered systems) are eligible to claim the exemption as long as they are used primarily to serve on-site electricity demand.

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Wind and Solar Energy Equipment Exemption

Last DSIRE Review: 07/09/2010

Program Overview:

State: Iowa
Incentive Type: Sales Tax Incentive
Eligible Renewable/Other Technologies: Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Thermal Process Heat, Photovoltaics, Wind, Solar Pool Heating
Applicable Sectors: Commercial, Residential, General Public/Consumer, Agricultural
Amount: 100% of sales tax
Maximum Incentive: None
Start Date: Wind: 1993
Solar: 07/01/2006
Web Site: <http://www.state.ia.us/tax/educate/salespubs...>
Authority 1: [IA Code § 423.3 \(Sec. 54, 90\)](#)
Date Enacted: 05/26/1993 (subsequently recodified, amended)

Summary:

This statute exempts from the state sales tax the total cost of wind energy equipment and all materials used to manufacture, install or construct wind energy systems. The exemption does not apply to equipment used to construct a plant to manufacture wind energy systems. The original language (IA Code § 422.45, Sec. 48) pertaining to wind energy equipment was enacted in 1993, although it was subsequently recodified as IA Code § 423.3 in 2004. Effective July 1, 2006 solar energy equipment is also exempt from the state sales tax. Solar equipment means any equipment that is used to convert incident solar radiation to energy, or equipment used to transform the converted energy to storage or to some point of use. As of July 2008, the Iowa sales tax rate is 6%.

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Alternate Energy Revolving Loan Program

Last DSIRE Review: 07/01/2010

Program Overview:

State:	Iowa
Incentive Type:	State Loan Program
Eligible Renewable/Other Technologies:	Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass, Hydroelectric
Applicable Sectors:	Commercial, Industrial, Residential, Utility
Amount:	50% of financed project cost
Maximum Incentive:	\$1,000,000 for most applicants, but \$500,000 for non-rate regulated gas and electric utilities
Terms:	0% interest Maximum term of 20 years Non-regulated utilities limited to 1 loan every 2 years
Web Site:	http://www.energy.iastate.edu/AERLP/index.htm
Authority 1:	Iowa Code § 476.46
Date Enacted:	1996 (subsequently amended)

Summary:

The Alternate Energy Revolving Loan Program (AERLP) is administered by the Iowa Energy Center and funded by the state's investor-owned utilities.* The AERLP provides loan funds to individuals and organizations that seek to build renewable energy production facilities in Iowa. Loans from the AERLP were formerly not available to non-rate regulated utilities; however, [S.F. 376](#) enacted in May 2009 amended the enabling statute to allow these entities to participate. Eligible renewable energy technologies include solar, biomass, wind and small hydro. Successful applicants will receive a single, low-interest loan that consists of a combination of AERLP funds and matching lender-provided funds.

The AERLP provides 50% of the total loan at 0% interest, up to a maximum of \$1 million. Non-rate regulated electric and gas utilities are limited to 1 loan every 2 years with a maximum loan of \$500,000. The remainder of the loan is provided by a lender at market rate. The maximum loan term allowed for the AERLP funds is 20 years. As the loans are paid back to the Iowa

Energy Center, those funds are cycled back into the program and made available to new applicants.

Technical applications for projects with a total financed capital cost of \$50,000 or less are reviewed on a continuous basis. Higher cost projects are reviewed on a quarterly basis according to the following deadlines: Oct. 31, Jan. 31, Apr. 30 and July 31. The AERLP has reportedly provided loans of more than \$11.4 million in support of 88 renewable energy projects since its inception.

**The loan fund was initially capitalized with a total of \$5.9 million over a 3-year period of collections from the state's investor-owned utilities. In May 2009 S.F. 376 authorized an additional \$5 million from the sale of state bonds for deposit into the fund. In April 2010 [S.F. 2389](#) made a further appropriation of \$5 million from the sale of state bonds for deposit into the fund.*

Contact:

Bill Haman
Iowa State University
Iowa Energy Center
2521 University Drive, Suite 124
Ames, IA 50010-8629
Phone: (515) 294-8819
Fax: (515) 294-9912
E-Mail: iec@energy.iastate.edu
Web Site: <http://www.energy.iastate.edu>

Iowa Building Energy Smart Program

Last DSIRE Review: 06/29/2010

Program Overview:

State:	Iowa
Incentive Type:	State Loan Program
Eligible Efficiency Technologies:	Lighting, Lighting Controls/Sensors, Chillers , Furnaces , Boilers, Heat pumps, Central Air conditioners, Caulking/Weather-stripping, Building Insulation, Doors, Custom/Others pending approval
Eligible Renewable/Other Technologies:	Passive Solar Space Heat, Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Photovoltaics, Wind, Biomass, Hydroelectric, Geothermal Heat Pumps
Applicable Sectors:	Nonprofit, Schools, Local Government, State Government, Institutional
Amount:	Varies by project

Maximum Incentive: None specified

Terms: Varies by project

Funding Source: Oil overcharge funds, appropriations, technical assistance fees

Web Site: <http://www.energy.iowa.gov/Energy%20Efficienc...>

Authority 1: [Iowa Code 473.19 et seq.](#)

Date Enacted: 05/01/1986

Summary:

Initiated in 1986, Iowa's Building Energy Smart Program (previously known as the "Iowa Energy Bank") provides a variety of energy assistance services for state public agencies, schools, and some non-profit organizations. Eligible organizations include public and private K-12 schools, community colleges, area education agencies, hospitals, local government, private colleges and state agencies. One of the program's primary goals is to make budget-neutral energy improvements for participating agencies and organizations. This is possible by facilitating loans and alternative financing options that can be repaid by the energy savings resulting from energy improvement projects.

After signing a memorandum of agreement (MOA) and completing a preliminary energy assessment, a participating organization completes an energy analysis, which is performed by a firm that has been pre-qualified by Iowa's Office of Energy Independence. Only energy improvements that will pay for themselves within their useful lives are eligible. Financing is available via a pre-arranged, low-interest capital loan note or lease purchase-agreement with a local or regional investment bank. It is important to note that the program *does not* provide direct project loans to participants. The actual financing of project costs takes place through an outside lender.

The program is supported by state oil overcharge funds and aims to implement more than \$500 million in energy improvements. It is actively marketed to all eligible sectors. To date, most of Iowa's school districts have participated, as have dozens of hospitals and private colleges. Local governments and state agencies have also participated in large numbers. Program administration moved from the Iowa Department of Natural Resources to the Iowa Office of Energy Independence in 2009.

Contact:

Linda King
Iowa Office of Energy Independence
Wallace Building
502 E. 9th Street
Des Moines, IA 50319
Phone: (877) 571-6625
Phone 2: (515) 725-0082
E-Mail: linda.king@iowa.gov
Web Site: <http://www.energy.iowa.gov/>

Farmers Electric Cooperative (Kalona) - Residential Efficiency Matching Grant Program

Last DSIRE Review: 01/04/2011

Program Overview:

State: Iowa

Incentive Type: Utility Grant Program

Eligible Efficiency Technologies: Ceiling Fan, Programmable Thermostats, Building Insulation, Shade Trees

Applicable Sectors: Residential

Amount: Shade Trees: 50% of cost, up to \$100
Insulation: 50% of cost, up to \$100
Ceiling Fans: 50% of cost, up to \$100
Programmable Thermostat: 50% of cost, up to \$100

Web Site: <http://www.feckalona.com/energyConservation.h...>

Summary:

Farmers Electric Cooperative (FEC) offers a grant program which splits the cost of simple energy efficient improvements to the home. The utility will cover 50% of the cost of eligible improvements made by the participating member. Grants are limited to \$100 per year. This incentive will be made available for insulation, ceiling fans, programmable thermostats, and shade trees. Participants must be FEC members and provide all necessary purchase and installation information. FEC also offers [rebates](#) on HVAC equipment, lighting measures, water heating units, and appliances. Contact FEC for any further information on this program.

Contact:

Customer Information - Energy Conservation and Renewables
Farmers Electric Cooperative
1959 Yoder Ave. SW
Kalona, IA 52247
Phone: (319) 683-2510
Fax: (319) 683-2506
E-Mail: sales@feckalona.com
Web Site: <http://www.feckalona.com/index.html>

Interstate Power and Light (Alliant Energy) - Low Interest Energy Efficiency Loan Program

Last DSIRE Review: 03/28/2011

Program Overview:

State: Iowa
Incentive Type: Utility Loan Program
Eligible Efficiency Technologies: Clothes Washers, Refrigerators, Ceiling Fan, Water Heaters, Lighting, Furnaces , Boilers, Heat pumps, Central Air conditioners, Programmable Thermostats, Windows, Doors, Vending Machine Controls
Eligible Renewable/Other Technologies: Geothermal Heat Pumps
Applicable Sectors: Commercial, Residential, Nonprofit, Local Government, State Government, Fed. Government, Agricultural
Amount: \$1,500 - \$25,000
Maximum Incentive: \$25,000
Terms: Rate: 0% up to 12 months - 6.9% at 60 months
Web Site: <http://alliantenergy.com/UtilityServices/ForY...>

Summary:

Interstate Power and Light (Alliant Energy), in conjunction with Wells Fargo Bank, offers a low-interest loan for residential, commercial and agricultural customers who purchase and install energy efficient measures. If a loan term of 12 months or less is chosen, the customer is eligible for a loan with no interest; longer terms are eligible for the 6.9% interest rate. All measures must meet minimum efficiency standards and be confirmed before installation in order to be eligible for this program.

If a customer qualifies for this loan's bank requirements, they will not have to pay any loan processing fees, points, down payments or security liens. Other incentives provided by Interstate Power and Light may not be used for the measures in addition to this loan. Further information on the eligible technologies and how to apply for the loan are available at the program website.

Contact:

Energy Efficiency Programs
Alliant Energy-Interstate Power and Light
P.O. Box 351
Cedar Rapids, IA 52406-0351
Phone: (800) 255-4268
Fax: (319) 786-4746
E-Mail: customercare@alliant-energy.com
Web Site: <http://www.alliantenergy.com>

Last DSIRE Review: 04/07/2011

Program Overview:

State: Iowa

Incentive Type: Utility Loan Program

Eligible Efficiency Technologies: Water Heaters, Furnaces , Boilers, Heat pumps, Central Air conditioners, Programmable Thermostats, Duct/Air sealing, Windows, Custom/Others pending approval

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Residential, Installer/Contractor

Amount: Joint check payable to customer and dealer

Maximum Incentive: not specified

Terms: Rate: fixed for the term of the loan; minimum offered interest rate of 5% APR adjust up or down with the Wall Street Journal's published prime interest rate.
Credit qualification determined by First American Bank

Start Date: 1/1/2011

Web Site: http://www.midamericanenergy.com/ee/ia_res_fi...

Summary:

MidAmerican Energy's EnergyAdvantage Financing Program, in partnership with First American Bank, offers Iowa residential energy customers below-prime financing on installation of qualifying energy efficient equipment. Customers may be eligible for a rebate or financing, but not both. Interested parties should call MidAmerican for rates and visit the program website for detailed program brochures. Ratings for central air conditioners must be based on a new condensing unit with a new matched evaporator coil.

Contact:

EnergyAdvantage Programs
MidAmerican Energy
P.O. Box 7232
Des Moines, IA 50309-7232
Phone: (800) 894-9599
Fax: (515) 244-8825
E-Mail: EnergyExpert@midamerican.com
Web Site: <http://www.midamericanenergy.com/>

Residential Energy Efficiency Rebate (Offered by Several Cooperative Utilities)

Last DSIRE Review: 02/08/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible

Efficiency Technologies: Clothes Washers, Dishwasher, Water Heaters, Heat pumps

Applicable

Sectors: Residential

Amount: Clothes Washers: \$100

Dishwashers: \$50

Window AC Unit: \$50

Electric Water Heaters: \$50

New Ground-Source Heat Pump: up to \$750/ton

Replacement Ground-Source Heat Pump: \$150/ton

Air-Source Heat Pump: \$150/ton

Clothes Washer/Dishwasher: must have electric water heater

Electric Water Heaters: .90 efficiency or higher, only for a new unit or replacement of an electric water heater that is less than .90 efficiency

New Ground-Source Heat Pump: must have an EER of 17.1 or higher, can be for a new construction, replacement of electric resistance heat, natural gas, propane or air-source heat pump

Equipment

Requirements:

Replacement Ground-Source Heat Pump: must have an EER of 17.1 or higher, for the replacement of an existing ground-source heat pump

Air-Source Heat Pumps: Must have a SEER of 15.5 or higher, can be for a new construction or as a replacement of electric resistant heat. The heat pump must have an automatic thermostat controlled back-up heating system such as propane, natural gas or fuel oil.

Web Site: <http://www.takecontrolandsave.coop/>

Summary:

[Associated Electric Cooperative](#) and many of its member cooperatives offer rebates to residential customers who purchase and install energy efficient equipment for the home. Eligible equipment includes clothes washers, dishwashers, room air conditioners, ground-source heat pumps, air-source heat pumps, and water heaters. Equipment must meet all efficiency and application guidelines in order to receive rebate. Some members of Associated Electric Cooperative's may not offer these rebates to their customers. Rebate amounts shown above are base rebate amounts and may vary across cooperatives. Click [here](#) to see which utilities are participating in the program.

Rural Electric Cooperatives Energy Efficiency Rebate Programs (Offered by 12 Utilities)

Last DSIRE Review: 12/30/2010

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Dehumidifiers, Water Heaters, Lighting, Heat pumps, Central Air conditioners, Motors, Motor VFDs, Agricultural Equipment, Comprehensive Measures/Whole Building, Commercial Refrigeration Equipment, Indoor Air Quality Equipment, Heat Recovery Equipment

Eligible Renewable/Other Technologies: Solar Water Heat, Geothermal Heat Pumps

Applicable Sectors: Commercial, Industrial, Residential, Agricultural

Amount: Varies by utility and equipment type

Equipment Requirements: Must meet each program's stated efficiency requirements

Web Site: <http://www.cipco.net/members.cfm>

Summary:

The Central Iowa Power Cooperative (CIPCO) is a generation and transmission cooperative serving 12 rural electric cooperatives (REC) and one municipal electric cooperative in the state of Iowa. They are:

- [Southwest Iowa REC](#)
- [Farmers Electric Cooperative](#)
- [Clark Electric Cooperative](#)
- [Guthrie REC](#)
- [Midland Power Cooperative](#)
- [Consumers Energy Cooperative](#)
- [Pella Cooperative Electric Association](#)
- [T.I.P. REC](#)
- [East-Central Iowa REC](#)
- [Linn County REC](#)
- [Maquoketa Valley Electric Cooperative](#)
- [Eastern Iowa Light and Power Cooperative](#)

CIPCOs' members serve a population of nearly 320,000 rural and urban residents in 58 of Iowa's 99 counties. Each has established energy efficiency rebate programs to encourage greater efficiency in their members' homes, farms and businesses. Interested parties are encouraged to visit the web site of their respective electric utility to learn about the specific rebates available and program requirements.

Contact:

Claudia Smith
Central Iowa Power Cooperative
PO Box 2517
Cedar Rapids, IA 52406-2517
Phone: (319) 366-4512 Ext.330
E-Mail: claudia.smith@cipco.net

Ames Electric Department - Commercial Energy Efficiency Rebate Programs

Last DSIRE Review: 03/29/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Lighting, Lighting Controls/Sensors, Heat pumps, Central Air conditioners, Programmable Thermostats, Led Exit Signs, Room Air Conditioners, Power Factor Correction Equipment

Applicable Sectors: Commercial, Industrial

Amount: Refrigerators: \$25 - \$100
Freezers: \$50
Dishwashers: \$50
Washing Machines: \$100
Programmable Thermostat: \$25
Room Air Conditioner: \$50
Power Factor Correction Equipment: 50% of equipment cost
Custom Rebate: \$500/KW saved
Lamps and Fixtures: varies, \$2 - 25 per lamp/fixture
Occupancy and Daylight Sensors: \$10 per sensor
LED Exit Signs: \$10 per sign
Central Air Conditioner & Air Source Heat Pumps: \$200 plus efficiency bonus
Ground Source Heat Pumps: \$700 plus \$200 for Desuperheater
Appliances: 50% of equipment cost
Programmable Thermostats: \$75
Room Air Conditioner: \$50

Maximum Incentive: Lighting (General Commercial): 50% of cost or \$2,000 per year;
Lighting (Large Commercial and Industrial): 50% of cost or \$5,000 per year
Power Factor Correction Equipment: Will not exceed \$100 per KVAR
Custom Rebate: incentives exceeding \$1,500 need case-by-case review

Eligible System
Size:

Equipment Appliances: Must be Energy Star Rated
Requirements: Compact Fluorescent Bulbs: Energy Star Rated

Web Site: <http://www.cityofames.org/SmartEnergy>

Summary:

The Ames Electric Department provides free energy audits and multiple energy efficiency rebate programs for its commercial and industrial customers. The rebate programs available include The Appliance Rebate Program, The High Efficiency Heat Pump Program, The Power Factor Correction Rebate Program, and the High Efficiency Lighting Program. All programs require that the customer submit a completed application form within 30 days of equipment installation.

[The Appliance Rebate Program](#) offers rebates for the purchase of Energy Star dishwashers, clothes washers, refrigerators, and freezers. Rebates range from \$25 - \$100, and will not exceed 50% of the equipment cost per unit. In order to qualify for the refrigerator/freezer rebates, customers must show proof of proper disposal of old equipment.

[The Power Factor Correction Rebate Program](#) offers a rebate of 50% of the equipment cost of installing power factor correction equipment in industrial facilities. The rebate amount is not to exceed \$100 per KVAR and rebates which exceed \$15,000 will be examined on a case-by-case basis.

[The Commercial High Efficiency Lighting Program](#) offers rebates on a variety of different energy efficient lighting technologies. Rebates vary widely by the measure employed, but are limited to 50% of the equipment cost. The maximum annual rebate is \$2,000 for general commercial customers and \$5,000 for large commercial or industrial customers. Rebates exceeding these amounts may be pre-approved on a case-by-case basis by the utility.

A new commercial custom rebate has also been introduced to Ames Electric Department's group of commercial incentives. Custom measures which reduce customer consumption will be evaluated and compensated based on the KW savings derived from the measures. See [The Commercial Custom Rebate Form](#) on web site for other details.

Contact:

Steve Wilson
Ames Electric Department
Smart Energy
502 Carroll Ave.
PO Box 811
Ames, IA 50010
Phone: (515) 239-5177
Phone 2: (515) 239-5120
E-Mail: swilson@city.ames.ia.us
Web Site: <http://www.cityofames.org/ElectricWeb>

Ames Electric Department - Residential Energy Efficiency Rebate Programs

Last DSIRE Review: 03/28/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Lighting, Lighting Controls/Sensors, Heat pumps, Central Air conditioners, Programmable Thermostats, Comprehensive Measures/Whole Building

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Residential, Multi-Family Residential

Amount: Energy Star New Home: \$500
Lighting: \$2 - \$16 per fixture
Lighting Sensors: \$10 per unit
Refrigerators: \$25 - \$100
Freezers: \$50
Dishwashers: \$50
Washing Machines: \$100
Programmable Thermostat: \$25
Room AC: \$50
Central AC/Air-Source Heat Pumps: \$200, plus efficiency incentive
Geothermal Heat Pump: Depends on efficiency
Lighting: \$2,000 per year

Maximum Incentive: Appliances: 50% of the equipment cost
Programmable Thermostats: 3 per household
Room AC: 2 per household
Energy Star New Home: HERS audit score of 85 or less
Appliances/Room AC/Programmable Thermostat: Must be Energy Star rated

Equipment Requirements: Central AC: requires installation of a Prime Time power switch
Central AC/Air-Source Heat Pumps: minimum 14 SEER
Geothermal Heat Pump: minimum 14.1 EER

Web Site: <http://www.cityofames.org/SmartEnergy/>

Summary:

The City of Ames Electric Services offers a variety of rebates for residential customers interested in purchasing energy efficient appliances and making energy efficiency improvements to eligible homes. They also offer the residential efficiency construction program for new homes that meet certain Energy Star standards described on the program web site.

To assess the energy needs of its customers, the City of Ames Electric Services offers free energy audits to any interested residential customers. Audits are performed by certified energy experts who assess the energy efficiency level of the home and will supply the customer with certain free energy saving measures such as equipment insulation and up to 6 CFLs.

The appliance rebate program provides rebates on the purchase of Energy Star refrigerators, freezers, dishwashers, and washing machines. The residential high efficiency lighting rebate program offers incentives for a variety of CFLs, electronic ballasts, and occupancy or daylight sensors. And the efficiency air conditioner rebate program offers rebates for the purchase of energy efficient central air conditioners, air-source and geothermal heat pumps, Energy Star rated programmable thermostats, and Energy Star rated room air conditioner units. All equipment must meet certain energy efficiency requirements listed on the program web site. By accepting any of the air conditioner rebates customers agree to allow City of Ames Electric Services to install a load control switch on central air conditioners.

Contact:

Steve Wilson
Ames Electric Department
Smart Energy
502 Carroll Ave.
PO Box 811
Ames, IA 50010
Phone: (515) 239-5177
Phone 2: (515) 239-5120
E-Mail: swilson@city.ames.ia.us
Web Site: <http://www.cityofames.org/ElectricWeb>

Atmos Energy (Gas) - Residential Efficiency Program

Last DSIRE Review: 01/23/2011

Program Overview:

State: Iowa
Incentive Type: Utility Rebate Program
Eligible Efficiency Technologies: Water Heaters, Furnaces , Boilers, Caulking/Weather-stripping, Windows
Applicable Sectors: Residential, Low-Income Residential
Furnace lowest \$250, \$325, or \$400
Boiler: \$150 or \$400
Amount: Condensing Water Heater: \$300
Storage Water Heater: \$75

Equipment Requirements: Tankless Water Heater: \$300
Forced Air Furnace: 90% AFUE or greater on a system of 30,000 BTUs or greater
Boiler: 85% AFUE or greater on a system of 30,000 BTUs or greater
High Efficiency Tank: 0.62 EF or greater on a 40 gallon tank or greater
Tankless Model: 0.82 EF or greater

Installation Requirements: Installed equipment must be new and Energy Star qualified; a separate form should be filled out for each technology.

Web Site: http://atmosenergy.com/home/efficiency/ia_reb...

Summary:

Atmos Energy provides rebates for residential natural gas heating equipment through their High Efficiency Rebate Program. When Atmos Receives the High-Efficiency Rebate Installation and Verification Form with a customer's Atmos Energy account number, recent Atmos Energy utility bills, and dated purchase receipts/proof of installation for the eligible equipment, they will issue a check within 10 weeks. Forms and authorized dealers can be found on the website above.

Atmos Energy also offers up to \$3000 rebate for weather stripping doors, caulking, and energy efficient windows. For more information contact Atmos Energy and go to the website above.

Contact:

Atmos Energy Rebate Offer
Energy Federation Incorporated
40 Washington Street, Suite 2000
Westborough, MA 01581-1088
Phone: (877) 313-8805
Phone 2: (877) 333-9965
Web Site: <http://atmosenergy.com/home/efficiency/iowa.html>

Black Hills Energy (Gas) - Commercial Energy Efficiency Rebate Programs

Last DSIRE Review: 04/08/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Technologies: Water Heaters, Furnaces , Boilers, Programmable Thermostats, Caulking/Weather-stripping, Building Insulation, Doors, Custom/Others pending approval, Commercial Cooking Equipment, Pool/Spa Covers

Applicable Sectors: Commercial, Industrial, Nonprofit, Local Government, State Government, Fed. Government, Agricultural

Set Back Thermostats: \$25- \$50
 Vent Damper: \$125
 Commercial Furnaces: \$250 - \$400
 Boilers: \$150 or \$400
 Commercial Cooking Equipment: \$100 - \$500
 Water Heaters: \$75 or \$300
 Insulation: The lesser of 70% of installed cost or \$0.30 per sq ft.
 Infiltration Control: 70% of installed cost
 Amount: Doors: \$25 or \$50
 Broiler: \$100
 Fryer: \$500
 Steam Cooker: \$500
 Convection Oven: \$200
 Conveyor Oven: \$500
 Pool Cover: \$250
 Spa Cover: \$50
 Maximum Incentive: Infiltration Control: \$1,500
 Insulation: 25,000 sq. ft.
 Equipment Requirements: Commercial Furnaces: AFUE of 92% or higher
 Boilers: AFUE of 85% or higher
 Water Heaters: .62 EF of higher
 Pool Cover: Must be transparent
 Spa Cover: R-14 or greater
 Installation Requirements: Rebates over \$10,000 must be pre-approved.
 Insulation, Infiltration Control, Pool/Spa Covers: require a commercial energy audit recommendation to be eligible for payout.
 Start Date: 1/1/2011
 Expiration Date: 12/31/2011
 Web Site: <http://www.blackhillsenergy.com/services/prog...>

Summary:

Black Hills Energy offers commercial and industrial customers incentives to encourage energy efficiency in their business. Black Hills Energy offers a small commercial energy audit to its customers to determine what energy efficiency programs would be best for them. This audit is available to small commercial customers for a nominal fee of \$50 for businesses that are 25,000 square feet or less. Prescriptive rebates are available for furnace and boiler replacements, insulation, doors, water heater replacement, ENERGY STAR set back thermostats, commercial cooking equipment, and more. Custom rebates are available for commercial, industrial, and agricultural projects not eligible in the prescriptive program, such as HVAC systems and building envelope measures. Customers should see the program website for application forms and details about the rebates or call their rebate hot-line at 888-567-0799.

Contact:

Energy Savers Plus

Black Hills Energy
P.O. Box 7390
Des Moines, IA 50309
Phone: (888) 567-0799
Phone 2: (888) 890-5554
Web Site: <http://www.blackhillsenergy.com>

Black Hills Energy (Gas) - Residential Energy Efficiency Rebate Programs

Last DSIRE Review: 04/08/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Water Heaters, Furnaces , Boilers, Heat recovery, Programmable Thermostats, Caulking/Weather-stripping, Building Insulation, Doors, Energy Audit

Applicable Sectors: Residential

Amount:

- Energy Audit: Free
- Clothes Washers: \$100
- Dishwashers: \$20
- Replacement Furnaces: \$250 - \$400
- Air Forced Furnaces: \$250 - \$400
- Replacement Boilers: \$150 or \$400
- Air Forced Boilers: \$150 - \$400m
- Integrated Space and Water Heater: \$500
- Doors: \$25 or \$50
- Replacement Water Heaters: \$75 or \$300
- Drain Heat Recovery: \$300
- Multi-Zone Thermostats: \$300
- Insulation/Weather-Stripping and Caulking: 70% of project cost
- Set Back Thermostats: \$25 or \$50
- Furnace/Boiler Maintenance: up to \$30
- Combined Service (Furnace/Boiler Maintenance and Professionally Installed Setback Thermostat): up to \$100

Maximum Incentive:

- Insulation: \$750
- Weather-Stripping and Caulking: \$200

Equipment Requirements:

- Appliances and Thermostats: Must be Energy Star rated
- Clothes Washer: MEF greater or equal to 1.72; customer must have a natural gas water heater
- Dishwasher: EF greater or equal to 0.65

Furnaces: 92% AFUE minimum
Boilers: 85% AFUE minimum
Water Heaters: EF greater or equal to 0.67; see application form for precise requirements
Integrated Space and Water Heater: 84% CAE or above
Drain Heat Recovery: Minimum standards
Multi-Zone Thermostat: Minimum standards
Doors: R-5

Start Date: 1/1/2011

Expiration Date: 12/31/2011

Web Site: <http://www.blackhillsenergy.com/services/prog...>

Summary:

Black Hills Energy offers its residential Iowa customers incentives to encourage energy efficiency in their homes. Black Hills Energy offers a free home energy audit to customers (both owners and renters) to determine what energy efficiency programs would be best for them. Rebates are offered for certain Energy Star appliances and thermostats; energy efficient replacement furnaces, boilers, and water heaters; and some weatherization measures such as insulation up-grades and door replacements. For more details and the program applications, customers should refer to the program website, or contact the rebate hot-line at 888-567-0799.

Contact:

Energy Savers Plus
Black Hills Energy
P.O. Box 7390
Des Moines, IA 50309
Phone: (888) 567-0799
Phone 2: (888) 890-5554
Web Site: <http://www.blackhillsenergy.com>

Black Hills Energy (Gas) - Residential New Construction Rebate Program

Last DSIRE Review: 04/08/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Comprehensive Measures/Whole Building, Custom/Others pending approval

Applicable Sectors: Residential, Construction

Amount: Builder Incentive: \$1500-\$5000
New Homeowner Clothes Washer/Dishwasher Incentive: \$120
Envelope: R-10 continuous, or R-13 cavity foundation insulation
Slab Insulation: At least R-10 4 ft depth
Floor Insulation (Above Unheated Space): At least R-30
Walls: At least R-20 or R-13 + 5
Windows: Energy Star qualified; At least 15% of above-grade conditioned floor area must be at least 0.35
Doors: At least R-5
Ceiling: At least R-49
Equipment Requirements: Furnace: At least 92% AFUE
Natural Gas Boiler: 85% AFUE
Integrated Space and Water Heating: 0.84 CAE
Thermostat: Energy Star qualified; or meets pre-programming requirements
Water Heaters (Storage, Tankless, Integrated Space/Water): At least 0.67 EF or 0.84 CAE
Infiltration: At least 5 ACH50
Duct Work: At least R-8 in unconditioned space; duct mastic/aluminum foil tape or other approved sealant to be used on sheet metal joints and supply and returns

Expiration Date: 12/31/2011
Web Site: <http://www.blackhillsenergy.com/services/prog...>

Summary:

Black Hills Energy offers new construction rebates for home builders in the eligible service area. Rebates between \$1,500 and \$5,000 are available for a range of efficiency measures incorporated into home construction. Qualifying homes must use natural gas and meet the minimum efficiency requirements. The program web site listed above has a complete summary and table of available incentives and program requirements. A [program application](#) with complete program information is also available on the program web site. Home owners who purchase an eligible home along with a high-efficiency clothes washer and dishwasher are eligible for a \$120 payment. Contact Black Hills Energy for other program information.

Contact:

Black Hills Energy
Energy Efficiency Programs
PO Box 7390
Des Moines, IA 50309
Phone: (888) 890-5554
Web Site: <http://www.blackhillsenergy.com/contact/>

Last DSIRE Review: 02/08/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Water Heaters, Lighting, Lighting Controls/Sensors, Furnaces, Boilers, Heat pumps, Central Air conditioners, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Motors, Motor VFDs, Led Exit Signs, Vending Machine Controls, Ice Machine

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Commercial, Industrial

Specialty CFL Bulbs: 50%
CFL Fixtures: \$20
LED Recessed Fixtures: \$20
Ceiling Fan CFL Light Kits: \$20 per fixture
Linear Fluorescent Lamps/Fixtures: \$6 - \$42
LED Exit Signs: \$5
LED Refrigerated Case Lighting: \$25/door
Occupancy Sensors: \$15 - \$20
High Bay Lighting: \$40 - \$110 per replacement fixture or custom incentive schedule
Clothes Washers: \$50
Dishwashers: \$50
Occupancy Sensors: \$15 - \$25
Programmable Thermostats: \$25
Packaged Terminal Heat Pumps: \$50 per unit
Packaged Terminal A/C: \$50 per unit
Central A/C: \$200 (additional \$100 for each SEER above 14)
Ground-Source Heat Pumps: \$300 - \$600 per ton
Air-Source Heat Pumps: \$300 (additional \$100 for each SEER above 15)
Gas Furnaces: \$200
Gas Boilers: \$400
Ice Machines: \$100
Vending Machine Controls: \$50 per unit
Refrigerator/Freezer Recycling: \$50
Motors: \$30 - \$530
Variable Speed Drives: \$40/hp
Insulation/Water Heating: \$0.25-\$0.40/sq ft
Custom Measures: Contact CFU
Specialty CFLs: \$5 (25 per customer per year)

Amount: Appliance Recycling: 2 rebates per account, per appliance type annually
Fluorescent Fixtures: \$20 per fixture; 6 per account per year

Ceiling Fan Light Kits: \$20 per light kit; 6 per account per year
Central A/C: \$400
Air-Source Heat Pumps: \$600
Central A/C: 14 SEER or higher, must be sized by CFU
Ground Source Heat Pump: Minimum 16.2 SEER rating and 3.3 COP
Air-Source Heat Pump: Minimum 15 SEER and 8.5 HSPF; Two stage units only
Boilers: AFUE greater than 92%
Furnaces: 95% efficiency
Dishwashers: Must use less than 295 kWh and 4.25 gallons/cycle (CEE Tier 2); CFU must supply the water heating fuel
Clothes Washers: CEE Tier 3; CFU must supply water heating fuel
Ceiling Fan Light Kits/Fluorescent Fixtures: Must be ENERGY STAR qualified
Freezer/Refrigerator Recycling: Unit must be in working condition; must be larger than 16 cu ft
Window AC/Dehumidifier Recycling: Unit must be in working condition

Equipment Requirements:

Start Date: 2/1/2011
Expiration Date: 1/31/2012
Web Site: <http://www.cfu.net/save-energy/business-rebat...>
Authority 1: [Commercial Rebate Flyer](#)

Summary:

The CFU Commercial Energy Efficiency Rebate Program provides rebates for a variety of energy efficient improvements in commercial facilities. The amount of the rebate varies greatly by technology and all technology must meet specified energy efficiency requirements listed on the program web site. Eligible improvements include air conditioning, heat pumps, boilers, furnaces, lighting, controls and sensors, programmable thermostats, dishwashers, clothes washers, appliance recycling, commercial cooking equipment, water heating, signage, motors and variable speed drives. All receipts must be mailed to CFU along with a completed application. Customers can view a complete listing of incentives, requirements and guidelines on the equipment application. If a project is not eligible for one of the rebates here, it may still be eligible for custom incentives through CFU's custom program. On a case by case basis, CFU also provides cost share for technical energy assessments at large industrial and commercial customers, and cost share for new construction facilities.

Contact:

Cedar Falls Utilities
Energy Services
PO Box 769
Cedar Falls, IA 50613
Phone: (319) 266-1371
Phone 2: (319) 268-5413
Fax: (319) 266-2143

E-Mail: cfu@cfunet.net
Web Site: http://www.cfu.net/save_energy

Cedar Falls Utilities - Residential Energy Efficiency Rebate Program

Last DSIRE Review: 02/08/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Dehumidifiers, Water Heaters, Lighting, Furnaces, Boilers, Heat pumps, Central Air conditioners, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Appliance Recycling

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Residential

Amount: CFL: 50% of cost
Fluorescent Fixtures/Ceiling Fan Light Kits: \$20 per fixture
Clothes Washer: \$50
Dish Washer: \$50
Refrigerator/Freezer Recycling: \$50
Window AC/Dehumidifier Recycling: \$25
Central A/C: \$200, plus \$100 for each SEER above 14
Gas Furnace: \$200
Geothermal Heat Pump: \$300 - \$600 per ton
Air Source Heat Pump: \$300, plus \$100 for each SEER above 15
Gas Water Heater: \$300
Boilers: \$400
Home Insulation/Duct Sealing: 60% of contracted labor, up to \$1,000
Air Sealing/Weatherstripping: 60% of contracted labor, up to \$200
CFL: 50% of cost, up to \$5 (10 per customer per year)
Appliance Recycling: 2 rebates per residential account, per appliance type annually
Fluorescent/LED Fixtures: \$20 per fixture; 6 per account per year

Maximum Incentive: Ceiling Fan Light Kits: \$20 per light kit; 6 per account per year
Central A/C: \$400
Air Source Heat Pump: \$600
Attic/Ceiling Insulation: \$1,000
Air Sealing/Caulking/Weather Stripping: \$200

Equipment: HVAC equipment must be properly sized by CFU

Requirements: Central A/C: 14 SEER or higher
Geothermal Heat Pump: 16.2 SEER rating; 3.3 COP
Air Source Heat Pump: 15 SEER rating; 8.5 HSPF; Two stage units only
Gas Water Heater: EF .82; Energy Star qualified
Boilers: 92% AFUE
Attic/Ceiling Insulation: R-49 max
Furnaces: 95% AFUE
Dishwashers: See program web site
Clothes Washers: CEE Tier 3; CFU must supply water heating fuel
Ceiling Fan Light Kits/Fluorescent or LED Fixtures: ENERGY STAR qualified
Freezer/Refrigerator Recycling: Unit must be in working condition; larger than 16 cu. ft
Window AC/Dehumidifier Recycling: Unit must be working

Web Site: <http://www.cfu.net/save-energy/residential-re...>

Authority 1: [Residential Rebate Flyer](#)

Summary:

The Cedar Falls Utilities (CFU) Energy Efficiency Rebate Program provides rebates for energy efficient heating and cooling equipment, thermal envelope improvements and appliance recycling. The amount of the rebate varies greatly by technology and all technology must meet specified energy efficiency requirements listed on the program web site. Heating and cooling rebates range from \$200 - \$300 per unit with an additional rebate for higher than the minimum required efficiency. Thermal envelope improvements, including attic, ceiling, in-wall, and foundation insulation are eligible for a rebate of 60% of the contracted labor plus up to an additional \$1,000 for the costs of equipment and materials. To qualify for the heating and cooling rebates, CFU Energy Service staff must measure your home to determine the appropriate size of the new equipment to be installed. All recycled appliances must be in working condition and be picked up by CFU. All receipts must be mailed to CFU along with a completed application. Contact CFUE for more information on this program.

Contact:

Cedar Falls Utilities
Energy Services
PO Box 769
Cedar Falls, IA 50613
Phone: (319) 266-1371
Phone 2: (319) 268-5413
Fax: (319) 266-2143
E-Mail: cfu@cfunet.net
Web Site: http://www.cfu.net/save_energy

Cedar Falls Utilities - Residential New Construction Program

Last DSIRE Review: 02/08/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Comprehensive Measures/Whole Building

Applicable Sectors: Residential

Amount: 25% electric rate discount for 4 years (if home is heated with natural gas)
25% electric rate discount for 2 years (if home is heated with electricity)

Equipment Requirements: Furnace: 95% 2-stage with variable speed blower
Boiler: 92% AFUE
Air Conditioning: 16 SEER
Air Source Heat Pump: 16 SEER, 8.5 HSPF, 2-speed with variable speed blower
Ground Source Heat Pump: 14.1 EER, COP of 3.3 with programmable thermostat
Duct Sealing: approved mastic or UL-181 tape
Refrigerator/Clothes Washer/Dishwasher: Energy Star
Lighting: Recessed Can Lights (LED or CFL)
Insulation: Attic R-50, Walls R-19
Water Heater: Natural Gas 0.67 EF or greater; Electric 93% EF or greater

Web Site: <http://www.cfu.net/save-energy/5-star-home-pr...>

Summary:

Cedar Falls Utilities offers incentives to residential customers who construct new energy efficient homes. A rate discount of 25% is available to customers who meet the 5 Star Home Program criteria for new home efficiency. CFU Energy Services staff will review building plans for model energy code compliance and will advise customers about eligibility for the 5 Star Home Program as part of the plan review. See the web site listed above for more information about this program.

Contact:

Cedar Falls Utilities Energy Services
Cedar Falls Utilities
P.O. Box 769
Cedar Falls, IA 50613
Phone: (319) 268-5255
E-Mail: cfu@cfunet.net
Web Site: http://www.cfu.net/save_energy

Farmers Electric Cooperative (Kalona) - Renewable Energy Rebates

Last DSIRE Review: 01/05/2011

Program Overview:

State:	Iowa
Incentive Type:	Utility Rebate Program
Eligible Renewable/Other Technologies:	Photovoltaics, Wind
Applicable Sectors:	Commercial, Residential
Amount:	\$1,000 per peak kW
Maximum Incentive:	\$5,000 per site
Eligible System Size:	500 W - 10 kW (AC)
Equipment Requirements:	Equipment must be new
Installation Requirements:	System should be permanently and professionally installed
Web Site:	http://www.feckalona.com/energyRenewables.htm...

Summary:

Farmer's Electric Cooperative (Kalona) offers rebates for the installation of small wind and solar photovoltaic (PV) systems to its member customers. The amount of the rebate is set at \$1,000 per peak kilowatt (kW) for both technologies, with a maximum rebate of \$5,000. It is only available for systems placed in service after January 1, 2008. Rebates for both wind and solar systems require a site assessment and are subject to prior approval of metering and installation arrangements. Equipment must be new and permanently installed by a professional installer on the customer's premises. Total rebates are limited to \$20,000 per year.

The utility also offers a special [renewable energy purchase program](#) for customer-generated renewable energy, as well as rebates and grants for a variety of different energy related improvement measures. Persons interested in this program should contact the utility for more information.

Contact:

Customer Information - Energy Conservation and Renewables
Farmers Electric Cooperative
1959 Yoder Ave. SW
Kalona, IA 52247
Phone: (319) 683-2510
Fax: (319) 683-2506
E-Mail: sales@feckalona.com
Web Site: <http://www.feckalona.com/index.html>

Farmers Electric Cooperative (Kalona) - Residential Energy Efficiency Rebate Program

Last DSIRE Review: 01/04/2011

Program Overview:

State:	Iowa
Incentive Type:	Utility Rebate Program
Eligible Efficiency Technologies:	Clothes Washers, Refrigerators, Water Heaters, Lighting, Heat pumps, Central Air conditioners
Eligible Renewable/Other Technologies:	Geothermal Heat Pumps
Applicable Sectors:	Residential
Amount:	Geothermal Heat Pumps: \$350/ton
	Air Source Heat Pumps: \$200 - \$400
	Central Air Conditioners: \$100 - \$200
	Electric Heat Pump Water Heaters: \$400
	CFL Bulbs: \$2/bulb
	Refrigerators: \$25
	Freezers: \$25
Maximum Incentive:	Clothes Washer: \$25
	Geothermal Heat Pumps: \$1,750
	CFL Bulbs: \$20
Eligible System Size:	Geothermal Heat Pumps: 5 ton maximum
Equipment Requirements:	Refrigerator/Freezer/Clothes Washer: Must be Energy Star
	Geothermal Heat Pumps: Must be structures primary heating source
	Air Source Heat Pumps: 14.5 SEER minimum
	Central Air Conditioners: 14.5 SEER minimum
Web Site:	http://www.feckalona.com/energyConservation.h...

Summary:

Farmers Electric Cooperative (FEC) offers a variety of rebates for the purchase and proper installation of energy efficient equipment for the home. Incentives are available for geothermal heat pumps, air source heat pumps, central air conditioning, lighting, heat pump water heaters, freezers, refrigerators, clothes washers, and appliance recycling. Heat pump and air conditioning

rebates vary based upon system efficiency. All minimum equipment requirements must be met in order to be eligible for incentives. Refrigerators, freezers and clothes washers must be Energy Star. FEC also offers small grants to customers for implementing similar measures. More information on rebates and grants may be found on the program web site listed above. Contact FEC for any questions regarding this program.

Contact:

Customer Information - Energy Conservation and Renewables
Farmers Electric Cooperative
1959 Yoder Ave. SW
Kalona, IA 52247
Phone: (319) 683-2510
Fax: (319) 683-2506
E-Mail: sales@feckalona.com
Web Site: <http://www.feckalona.com/index.html>

Indianola Municipal Utilities - Energy Efficiency Rebate Program

Last DSIRE Review: 03/28/2011

Program Overview:

State:	Iowa
Incentive Type:	Utility Rebate Program
Eligible Efficiency Technologies:	Lighting, Heat pumps, Central Air conditioners, Programmable Thermostats, Building Insulation
Eligible Renewable/Other Technologies:	Geothermal Heat Pumps
Applicable Sectors:	Commercial, Residential Central AC: \$100/unit; \$50 for each additional SEER Commercial Lighting: \$2 - \$25/fixture depending on type and efficiency
Amount:	Air Source Heat Pumps: \$200/unit; \$100 for each additional SEER Geothermal Heat Pumps: \$300/ton Programmable Thermostats: \$25/unit Central AC: \$250 maximum; 10 unit maximum per customer per year
Maximum Incentive:	Commercial Lighting: \$5,000 per customer per year Air Source Heat Pumps: \$500 maximum; 10 units per customer per year Geothermal Heat Pumps: \$1,000 maximum, 5 units per customer

per year
All Heating and Cooling Systems: must be properly sized for home (assessed by contractor)
Commercial Lighting: Facilities must be able to verify 1,000 hours of annual operating time.

Eligible System Size:

Equipment Requirements: All Heating and Cooling Systems: minimum SEER of 14

Web Site: <http://www.i-m-u.com/rebates.htm>

Summary:

Indianola Municipal Utilities offers a number of energy efficiency rebates to residential, commercial and industrial customers. The program provides rebates for commercial lighting, central air conditioning, add-on heat pumps, geothermal heat pumps, programmable thermostats and energy audits. Residential customers who install heat pumps are also eligible for a bonus rebate of \$0.30 per square foot on attic insulation installed to a minimum R-40 value. To qualify homes must be at least 10 years old with existing insulation levels less than or equal to an R-24. All rebates except the commercial lighting are available for both residential and commercial customers. All equipment must meet efficiency standards listed on the program web site and rebate forms. Rebates are given in the form of a credit to the customer's city utility account. The application and invoice must be received within six months of purchase date to qualify for the rebates. Applications are located on the program web site.

Contact:

Indianola Municipal Utilities
Customer Service
111 South Buxton
PO Box 356
Indianola, IA 50125
Phone: (515) 961-9442
Web Site: <http://www.i-m-u.com/index.php>

Interstate Power and Light (Alliant Energy) - Business and Farm Renewable Energy Rebates

Last DSIRE Review: 02/07/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Renewable/Other Technologies: Photovoltaics, Wind, Biomass, Anaerobic Digestion

Applicable Sectors: Commercial, Industrial, Agricultural

Amount: Energy Efficient Wind: \$0.75/kWh x estimated first year

output
Standard Wind: \$0.25/kWh x estimated first year output
Energy Efficient PV: \$1/kWh x estimated first year output
Standard PV: \$0.50/kWh x estimated first year output
Biomass: 50% of system cost
Anaerobic Digester: 50% of system cost
Energy Efficient Wind: \$35,000
Standard Wind: \$30,000
Energy Efficient PV: \$25,000
Standard PV: \$20,000
Biomass: \$500,000
Anaerobic Digester: \$200,000

Maximum Incentive:

12/31/2011

Expiration Date:

<http://www.alliantenergy.com/Extras/Renewable...>

Web Site:

Summary:

The Alliant Energy Renewable Cash-Back Rewards program offers rebates for solar photovoltaics (PV), wind, renewable biomass, and anaerobic digesters. Businesses and farms that are Alliant Energy electric customers qualify for these rebates.

In order to apply for the program, customers must first use the online self-assessment tool.

Alliant Energy will then contact customers to schedule an energy efficiency audit and a site assessment to determine the incentive level and the renewable energy potential.

Customers can receive a higher "Energy Efficient" rebate rate for wind and solar PV if the business or farm meets certain energy efficient objectives, as determined by an energy efficiency audit. Businesses can also receive rebates through the [Energy Efficiency Rebate Program](#) or the [Farm Equipment Energy Efficiency Rebate Program](#) in order to meet the energy efficient objectives.

Contact:

Customer Care
Alliant Energy
Distributed Resources and Renewable Energy
222 West Washington Avenue
P.O. Box 192
Madison, IA 53701-0192
Phone: (800) 255-4268
Fax: (608) 758-1459
E-Mail: customercare@alliant-energy.com
Web Site: <http://www.alliantenergy.com>

Last DSIRE Review: 03/28/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Ceiling Fan, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers, Furnaces, Boilers, Heat pumps, Central Air conditioners, Programmable Thermostats, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Windows, Doors, Motors, Motor VFDs, Comprehensive Measures/Whole Building, Custom/Others pending approval, Commercial Cooking Equipment

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Commercial, Nonprofit, Local Government, State Government, Fed. Government, Multi-Family Residential

Insulation and Sealing: 70%
Replacement Windows: \$25 Replacement Doors: \$50 Multifamily Heating and Cooling: 65¢ per sq. ft. Multifamily Heating: 45¢/sq. ft. Multifamily Cooling: 20¢/sq. ft. Multifamily Geothermal Heat Pump: 45¢/sq. ft. LED Traffic Lights: \$20-\$50
Lighting Fixtures: \$8-\$42
Small Heat Pumps: \$50-\$400
Large Heat Pumps or Air Conditioners: \$50 x (EER) x tons
Geothermal Heat Pumps: (\$300 x tons) + [EER x \$50 x tons] + \$100
Small Air Conditioners: \$50-\$200
Boiler: \$150-\$400
Furnace: \$250-\$400
Chillers: \$400 x (kW/ton) + \$10 x tons
Room Air Conditioners: \$25
Programmable Thermostats: \$25
Water Heaters (Condensing and Tankless): \$300
Tank Water Heaters: \$50-\$100
Clothes Washers: \$50-\$100
Dishwashers: \$20
Freezer: \$25
Refrigerators: \$50
Appliance Recycling: \$25-\$50
Data Center Equipment: \$4-\$15/unit
Commercial Food Equipment: up to \$2000
Motors: \$30-\$1995
Custom Rebates: Based on annual savings

Equipment Requirements: Large Heat Pumps: Minimum 10.0 EER and COP 3.2

Expiration Date: 12/31/2011

Web Site: <http://www.alliantenergy.com/UtilityServices/...>

Summary:

Interstate Power and Light (IPL) offers a wide variety of incentives for their commercial customers to save energy in their facilities, whether they are upgrading existing facilities or building new ones. IPL also offers a free business energy audit program.

Existing Facilities

IPL offers standard rebates for a variety of appliances; heating, cooling and hot water equipment; building shell improvements; lighting and ceiling fans; commercial food service equipment; premium efficiency motors and variable speed drives; and vending machine controllers. A [Cash Rewards Booklet](#) can be found on the program website outlining incentive amounts and program guidelines.

Appliance rebates are available for refrigerators, freezers, clothes washers, and dishwashers. IPL also has an appliance recycling program that will recycle functioning refrigerators, freezers, and room air conditioning units for free and provide a rebate of \$25-\$50. Eligible heating and cooling equipment includes: furnaces, boilers, chillers, geothermal and air-source heat pumps, water heaters, programmable thermostats, and room and central air conditioners. Rebates are also available for certain weatherization measures such as window, door, and sash replacements; insulation upgrades; caulking; weatherstripping; and air-tight sealing. Lighting rebates are available for a variety of CFLS, fixtures, occupancy sensors, traffic lights, and exit signs. Commercial food service rebates are available for commercial refrigerators and freezers, ice makers, steam cookers, fryers, ovens, and hot food holding cabinets. Custom rebates are available for energy-saving projects that do not qualify for the standard equipment rebates.

Commercial New Construction

IPL's Commercial New Construction program offers commercial customers incentives for both the design of high efficiency buildings as well as the construction. Design team incentives are based on the square footage of the building. Construction incentives are per kilowatt-hour plus an additional per therm rebate. Further information on incentive amounts, construction specifications, and how to apply are located on the program website.

Contact:

Energy Efficiency Programs
Interstate Light and Power (Alliant Energy)
P.O. Box 351
Cedar Rapids, IA 52406-0351
Phone: (866) 255-4268
Fax: (319) 786-4746
E-Mail: businesscenter@alliantenergy.com
Web Site: <http://www.alliantenergy.com/business>

Interstate Power and Light (Alliant Energy) - Farm Equipment Energy Efficiency Incentives

Last DSIRE Review: 03/28/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Ceiling Fan, Water Heaters, Lighting, Heat recovery, Motors, Motor VFDs, Agricultural Equipment, Comprehensive Measures/Whole Building, Custom/Others pending approval, Whole House Fans, Room Air Conditioners

Applicable Sectors: Agricultural

Amount: Energy Audit: Free
Clothes Washer: \$100
Refrigerator Replacement: \$50
Dishwasher Replacement: \$20
Freezer: \$25
Room Air Conditioner: \$25
Water Heater: \$50
Electric Heat Pump Water Heaters: \$100
Circulating Fans: \$25-\$75
Milkers and Heat Reclaimers: \$5/cow
Lighting: \$3-\$50
Ceiling Fan: \$20
Ventilation Systems: \$45-\$170
High-volume, Low-speed Fans: \$750

Maximum Incentive: Premium-Efficiency Motors and Variable Frequency Drives: \$1595

Start Date: 1/1/2011

Web Site: <http://alliantenergy.com/UtilityServices/ForY...>

Summary:

Interstate Power and Light (Alliant Energy) offers prescriptive rebates for a variety of energy efficient products for agricultural customers. In addition to these incentives, IPL offers a Farm Energy Audit and New Construction Programs. For the Farm Energy Audit, customers that install technologies suggested by the energy audit are eligible for rebates. The New Construction Program offers both design and construction incentives for high efficiency buildings. For design, the customer works with IPL on the design of the building and the incentive amount is based on the square footage of the building. The construction incentives are based on the annualized therm and kilowatt-hour savings after the project is completed. For more information on this program, see the New Construction [website](#).

Contact:

Customer Assistance - IPL

Alliant Energy
222 West Washington Avenue
P.O. Box 192
Madison, IA 53701-0192
Phone: (800) 255-4268
Fax: (608) 758-1459
E-Mail: customercare@alliantenergy.com
Web Site: <http://www.alliantenergy.com>

Interstate Power and Light (Alliant Energy) - New Home Construction Incentives

Last DSIRE Review: 02/07/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Water Heaters, Lighting, Furnaces , Boilers, Heat pumps, Programmable
Efficiency Thermostats, Caulking/Weather-stripping, Duct/Air sealing, Building
Technologies: Insulation, Windows, Doors, Comprehensive Measures/Whole Building

Applicable Residential, Construction, Builders, Contractors
Sectors:

Amount: \$500 to \$1,750, depending on the square footage and incentive package
\$250 bonus available for Advanced Lighting Package

Expiration Date: 12/31/2011

Web Site: <http://alliantenergy.com/UtilityServices/ForY...>

Summary:

Interstate Power and Light's New Home Program gives incentives to builders and contractors who build energy efficient homes. A base rebate is available to those customers that make the minimum energy efficiency levels, based on the size of the house. Base reward amounts will be prorated for homes less than 1,800 square feet in size. Incentive payment for the base reward can be paid to the builder or the homeowner but cannot be split. Additional rebates are available for energy efficient appliances and additional heating and cooling measures. Finally, a further rebate of \$250 is available for customers that install all of the suggested appliances and systems in the new home. ENERGY STAR qualified multifamily facilities are eligible for an incentive up to 65 cents per square foot. Interested customers should see the program website for more information.

Contact:

Customer Service
Alliant Energy
Energy Efficiency Programs

P.O. Box 351
Cedar Rapids, IA 52406-0351
Phone: (800) 255-4268
Fax: (608) 758-1459
E-Mail: customercare@alliantenergy.com
Web Site: <http://www.alliantenergy.com>

Interstate Power and Light (Alliant Energy) - Residential Energy Efficiency Rebate Programs

Last DSIRE Review: 02/04/2011

Program Overview:

State: Iowa
Incentive Type: Utility Rebate Program
Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Ceiling Fan, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers, Furnaces, Boilers, Heat pumps, Central Air conditioners, Programmable Thermostats, Caulking/Weather-stripping, Building Insulation, Windows, Doors

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Residential

Natural Gas Boilers: \$150 - \$400
Natural Gas Furnaces: \$250 - \$400
Central Air Conditioners/Air Source Heat Pumps/Chillers: \$100 - \$400
Geothermal Heat Pumps: See program website for rebate formula
Programmable Thermostats: \$25
Water Heaters: \$50 - \$300
Ceiling/Foundation/Wall Insulation: 70% of total installation cost up to \$750
Caulking/Weather Stripping: 70% of total installation cost up to \$200
Clothes Washers: \$100
Amount: Refrigerators: \$50
Freezers: \$25
Refrigerator/Freezer Recycling: \$50
Room Air Conditioners Recycling: \$25
Room Air Conditioners: \$25
Dishwashers: \$20
Solid/Glass Entry Door: \$25 - \$50
Window: \$25
CFL's (electric customers only): 50% of purchase price
Ceiling Fans (electric customers only): \$20 per fan
Ceiling Fan with Light Kit (electric customers only): \$40 per fan

Indoor Light Fixture (electric customers only): \$20 per fixture
Light Fixtures/Occupancy Sensors (electric customers only): \$20 per unit

Equipment Requirements: See program website or the [2011 Cash Rewards Booklet](#)

Expiration Date: 12/31/2011

Web Site: <http://alliantenergy.com/UtilityServices/ForY...>

Summary:

Interstate Power and Light (Alliant Energy) offers residential energy efficiency rebates and incentives for Iowa customers for a variety of technologies. Rebates are available for certain heating, cooling, lighting, appliances, doors and windows. Equipment must meet efficiency levels specified on the program website.

IPL also offers base rebates from \$500 - \$1,750, through their New Home Construction Program. The exact rebate level varies depending on the square footage of the home, and whether or not the home receives heating and/or cooling energy from Alliant Energy-IPL. Bonus rebates reward customers for installing premium-efficiency heating and cooling equipment, clothes washers, refrigerators and lighting.

The Appliance Awards and the Replacement Doors and Windows Programs offer rebates for energy efficient clothes washers, dishwashers, refrigerators, freezers, room air-conditioners, windows, and doors. All appliances must be Energy Star and meet certain efficiency requirements listed on the program website.

In addition to these rebates, IPL offers an Appliance Recycling Program, an Appliance Cycling Program and an Insulation Incentive. The Appliance Recycling Program will pay customers \$35 for old, working refrigerators, freezers and room air conditioners, in addition to sending a recycling contractor to pick up the appliance. The Appliance Cycling Program offers residential customers bill credits for agreeing to have their air conditioners and water heaters cycled off during peak periods in the summer months. The Insulation Incentive is part of the Home Energy Audit process; residential customers may be eligible for a rebate of up to \$150 for qualifying insulation.

Contact:

Customer Service
Alliant Energy
Energy Efficiency Programs
P.O. Box 351
Cedar Rapids, IA 52406-0351
Phone: (800) 255-4268
Fax: (608) 758-1459
E-Mail: customercare@alliantenergy.com
Web Site: <http://www.alliantenergy.com>

Interstate Power and Light (Alliant Energy) - Residential Renewable Energy Rebates

Last DSIRE Review: 02/04/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Renewable/Other Technologies: Solar Water Heat, Solar Thermal Electric, Photovoltaics, Wind

Applicable Sectors: Residential

Amount: Energy Efficient Solar PV: \$1.25/kWh x estimated first year output
Standard Solar PV: \$0.75/kWh x estimated first year output
Energy Efficient Wind: \$0.75/kWh x estimated first year output
Standard Wind: \$0.25/kWh x estimated first year output
Solar Thermal Water Heater (electric): \$0.35 x annual kWh savings
Solar Thermal Water Heater (natural gas): \$2.50 x annual therm savings

Maximum Incentive: Solar Thermal Water Heater: \$750

Web Site: <http://alliantenergy.com/UtilityServices/ForY...>

Summary:

The Alliant Energy Renewable Cash-Back Rewards program offers rebates for solar photovoltaics (PV), wind, and solar thermal water heating systems. In order to qualify for the solar PV and wind rebates, residents must be Alliant Energy electric customers in Grinnell, Lisbon, or Mt. Vernon, Iowa. Alliant Energy natural gas customers qualify for the solar thermal water heating reward.

In order to apply for the program, customers must first use the online self-assessment tool.

Alliant Energy will then contact customers to schedule a Home Performance with Energy Star audit and a site assessment to determine renewable energy potential.

Customers can receive a higher "Energy Efficient" rebate rate for wind and solar PV if the home meets certain energy efficient objectives, as determined by the Home Performance with Energy Star audit. Alliant Energy customers can also receive energy efficiency rebates through the [Energy Efficiency Rebate Program](#) in order to meet the energy efficient objectives.

Rebate rates are as follows:

Energy Efficient Solar PV: \$1.25/kWh x estimated first year output
Standard Solar PV: \$0.75/kWh x estimated first year output
Energy Efficient Wind: \$0.75/kWh x estimated first year output
Standard Wind: \$0.25/kWh x estimated first year output

Solar Thermal Water Heater (electric): \$0.35 x annual kWh savings
Solar Thermal Water Heater (natural gas): \$2.50 x annual therm savings

Contact:

Customer Care
Alliant Energy
Distributed Resources and Renewable Energy
222 West Washington Avenue
P.O. Box 192
Madison, IA 53701-0192
Phone: (800) 972-5325
Fax: (800) 255-4268
E-Mail: customercare@alliant-energy.com
Web Site: <http://www.alliantenergy.com>

Linn County Rural Electric Cooperative - Agricultural Energy Efficiency Rebate Program

Last DSIRE Review: 12/09/2010

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Dehumidifiers, Water Heaters, Lighting, Lighting Controls/Sensors, Heat pumps, Central Air conditioners, Heat recovery, Energy Mgmt. Systems/Building Controls, Motors, Motor VFDs, Agricultural Equipment, Comprehensive Measures/Whole Building, Room Air Conditioners, Commercial Refrigeration Equipment, Dairy Equipment, Indoor Air Quality Equipment

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Agricultural

Indoor Agricultural Lighting: Varies Widely; see program web site
Dairy Milk Precoolers: \$3/cow
Refrigerant Heat Reclaimers: \$4/cow
Scroll Compressor: \$250/unit
Amount: Variable Speed Vacuum Pump: \$40/Controlled HP
Livestock Waterers: \$50/unit
Heat Lamps: \$3/lamp
Crate Heating Pads: \$25/unit (Single); \$50/unit (Double)
Heat Lamp/Heating Pad Controller: \$50/unit

Ventilation Fans: \$3/inch diameter
Circulation Fans: \$1/inch diameter
High Volume Low Speed Fans: \$35/foot diameter
Variable Speed Drives: \$40/HP
Geothermal Heat Pumps: \$350/ton
Air Source Heat Pumps: \$225/ton
Electronic Air Filters: \$50/unit
Radon Abatement Systems/UV Air Purifiers: \$50/unit
Heat Recovery Ventilators: \$125/controlled ton recovered
Central AC: \$100 - \$150/unit
Electric Water Heater: \$100 - \$500
Refrigerators/Freezers: \$25
Window AC: \$25
Dehumidifier: \$25
Dishwasher: \$25
Clothes Washer: \$25

Maximum Geothermal Heat Pumps: 20 tons
Incentive: General: See equipment brochure for specific technology incentive caps
Equipment Appliances: Must be Energy Star
Requirements: See program web site for full equipment requirements
Expiration Date: 12/31/2011
Web Site: <http://www.linncountyrec.com/energy-efficienc...>

Summary:

Linn County Rural Electric Cooperative Association (Linn County RECA) is a member-owned cooperative. To encourage energy efficiency, Linn County offers a number of equipment rebates to agricultural customers. Qualifying agricultural customers are eligible to receive rebates on geothermal heat pumps, air source heat pumps, central air conditioning, a variety of dairy equipment, heat lamps and pads, equipment controls, recovery ventilators, circulation fans, motors, variable speed drives, lighting equipment, electric water heaters, and various Energy Star appliances. All program rules, equipment requirements, and procedures must be met in order to receive rebates. View the program web site to locate important equipment requirements and program information. Contact Linn County RECA for more information on this program and to ensure eligibility.

Contact:

Program Manger - LCREC
Linn County Rural Electric Cooperative Association
5695 REC Drive
P.O. Box 69
Marion, IA 52302
Phone: (319) 377-1587
Phone 2: (800) 332-5420
Fax: (319) 377-5875

E-Mail: lcrec@linncountyrec.com
Web Site: <http://www.linncountyrec.com>

Linn County Rural Electric Cooperative - Commercial Energy Efficiency Rebate Program

Last DSIRE Review: 12/09/2010

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Dehumidifiers, Water Heaters, Lighting, Chillers, Heat pumps, Central Air conditioners, Heat recovery, Motors, Motor VFDs, Agricultural Equipment, Comprehensive Measures/Whole Building, Room Air Conditioners, Commercial Refrigeration Equipment

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Commercial, Industrial, Nonprofit

Geothermal Heat Pumps: \$350/ton
Air Source Heat Pumps: \$200/ton (split units); \$150/ton (package terminal)
Central AC (Split Units): \$25/ton
Air-Cooled Chillers: \$20/ton
Water-Cooled Chillers: \$30/ton
Heat Recovery Ventilators: \$180/controlled ton recovered
Motors: \$25 - \$550/motor
Variable Speed Drives: \$40/HP

Amount: Lighting: Varies widely, see program web site
Commercial Refrigerators: \$50 - \$175
Commercial Freezers: \$25 - \$100
Electric Water Heater: \$100 - \$500
Refrigerators/Freezers: \$25
Window AC: \$25
Dehumidifier: \$25
Dishwasher: \$25
Clothes Washer: \$25

Maximum Incentive: Geothermal Heat Pumps: 20 tons

Equipment Requirements: Appliances: Must be Energy Star See program web site for full equipment requirements

Expiration Date: 12/31/2011

Web Site: <http://www.linncountyrec.com/energy-efficienc...>

Summary:

Linn County Rural Electric Cooperative Association (Linn County RECA) is a member-owned cooperative. To encourage energy efficiency, Linn County offers a number of rebates to commercial customers. Owners of both New Construction and Existing Buildings are eligible for nearly identical rebates on geothermal heat pumps, air source heat pumps, central air conditioning, air and water cooled chillers, recovery ventilators, motors, variable speed drives, lighting equipment, commercial refrigerators and freezers, electric water heaters, and various Energy Star appliances. An appliance recycling rebate is also offered to owners of existing buildings. View the program web site to locate all equipment requirements and program procedures. Contact Linn County RECA for more information on this program and to ensure eligibility.

Contact:

Program Manger - LCREC
Linn County Rural Electric Cooperative Association
5695 REC Drive
P.O. Box 69
Marion, IA 52302
Phone: (319) 377-1587
Phone 2: (800) 332-5420
Fax: (319) 377-5875
E-Mail: lcrec@linncountyrec.com
Web Site: <http://www.linncountyrec.com>

Linn County Rural Electric Cooperative - Residential Energy Efficiency Rebate Program

Last DSIRE Review: 12/09/2010

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Dehumidifiers, Water Heaters, Lighting, Heat pumps, Central Air conditioners, Duct/Air sealing, Building Insulation, Windows, Doors, Comprehensive Measures/Whole Building, Room Air Conditioners, Commercial Refrigeration Equipment

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Residential

Amount: **New Home Construction Only:**
All-Star Home/HERS Bonus: \$100 - \$250

Existing Homes Only:

Building Insulation (Electric Heat): 60% of cost; up to \$600
Building Insulation (Central AC Only): 15% of cost; up to \$150
Infiltration Control: 60% of cost; up to \$200
Appliance Recycling: \$50/appliance

General:

Geothermal Heat Pumps: \$350/ton
Air Source Heat Pumps: \$225/ton
Central AC (Split Units): \$100 - \$150
Heat Recovery Ventilators: \$125/unit
Electric Water Heaters: \$100 - \$500
Refrigerators/Freezers: \$25
Window AC: \$25
Dehumidifier: \$25
Dishwasher: \$25
Clothes Washer: \$25
Lighting: Varies Widely

Maximum Incentive: Geothermal Heat Pumps: 20 tons
Building Insulation: \$600
Infiltration Control/Duct Insulation: \$200

Equipment Requirements: Air Source Heat Pumps: 14.5 SEER, 12.0 EER and 8.2 HSPF
Central Air Conditioner: 14.5 SEER/12.0 EER
Appliances: Must be Energy Star
See program web site for full equipment requirements

Expiration Date: 12/31/2011

Web Site: <http://www.linncountyrec.com/energy-efficienc...>

Summary:

Linn County Rural Electric Cooperative Association (Linn County RECA) is a member-owned cooperative. To encourage energy efficiency, Linn County offers a number of rebates to residential customers. Owners of both newly constructed homes and existing homes are eligible for similar rebates on geothermal heat pumps, air source heat pumps, central air conditioning, lighting equipment, building insulation, electric water heaters, and various Energy Star appliances. An appliance recycling rebate is also offered to owners of existing homes. Building insulation incentives apply to ceiling, attic, wall, and foundation insulation. View the program web site to locate full equipment requirements and program procedures. Contact Linn County RECA for more information on this program and to ensure eligibility.

Contact:

Program Manger - LCREC
Linn County Rural Electric Cooperative Association

5695 REC Drive
P.O. Box 69
Marion, IA 52302
Phone: (319) 377-1587
Phone 2: (800) 332-5420
Fax: (319) 377-5875
E-Mail: lcrec@linncountyrec.com
Web Site: <http://www.linncountyrec.com>

MidAmerican Energy (Electric) - Commercial Energy Advantage Rebate Program

Last DSIRE Review: 04/07/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers, Furnaces, Boilers, Heat pumps, Central Air conditioners, Building Insulation, Windows, Doors, Motors, Motor VFDs, Led Exit Signs, Room Air Conditioners, Vending Machine Controls, Commercial Cooking Equipment, Food Service Equipment, Furnace Fan

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Commercial, Nonprofit, Local Government, State Government, Fed. Government

Amount: Variable-Speed Drives: \$30/HP of motor being used
Clothes Washer: \$100
Dishwasher: \$20
Vending Machine Controller: \$50
Weather Stripping/Caulking/Foam Backer Rod: 70% of cost up to \$750
Fluorescent Lighting Fixtures: \$6-\$42/fixture
Lighting Occupancy Sensors: \$20
Metal Halide Fixtures: \$25 or \$50
LED Exit Sign: \$5/sign
LED traffic lighting retrofit: \$20-\$50
Daylight Harvesting Ballast: \$25
Packaged Terminal A/C or Heat Pumps: \$50/unit
Chillers: (\$400 x kW/ton + \$10) x tons
Room Air Conditioners: \$25
Central Air Conditioners: \$100-\$200 + \$50/SEER point above standards
Air/Water Source Heat Pumps: \$100-\$400 + \$50/EER point above standards

Ground-Source Heat Pumps: \$300/ton + \$300/new ground loop installation ton
Packaged Terminal A/C or Heat Pumps: \$50/unit
Chillers: (\$400 x kW/ton + \$10) x tons
Electric Water Heaters: \$50
Motors: \$30-\$1,950
Ice Makers: \$100
Solid/Glass Door Refrigerators: \$125-\$225
Solid Door Freezers: \$25-\$125
Hot Food Holding Cabinets: \$250
Window Film: \$2/sq. ft.
Doors: \$2.25/sq. ft.-\$50
Attic/Roof/Sidewall Insulation: \$0.01 - \$0.02 x (R-value increase x Area in square ft.)

Equipment Requirements: See applicable program brochure on program website for respective equipment requirements

Installation Requirements: Incentives exceeding \$10,000 require preapproval by MidAmerican

Web Site: http://www.midamericanenergy.com/ee/ia_bus_re...

Summary:

MidAmerican Energy offers a variety of incentives for their commercial customers to improve the energy efficiency of their facilities. Rebates are generally available to both gas and electric customers. Detailed information regarding incentive amounts, program instructions and equipment requirements are located on the program web site listed above. Only MidAmerican customers may receive rebates if the purchased equipment is eligible. Rebate application forms are available on the utility website.

Contact:

EnergyAdvantage Programs
MidAmerican Energy
P.O. Box 7232
Des Moines, IA 50309-7232
Phone: (800) 894-9599
Fax: (515) 244-8825
E-Mail: EnergyExpert@midamerican.com
Web Site: <http://www.midamericanenergy.com/>

MidAmerican Energy (Electric) - Residential Energy Efficiency Rebate Programs

Last DSIRE Review: 04/08/2011

Program Overview:

State: Iowa
Incentive Type: Utility Rebate Program
Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Water Heaters, Lighting, Heat pumps, Central Air conditioners, Room Air Conditioners, Desuperheaters
Eligible Renewable/Other Technologies: Geothermal Heat Pumps
Applicable Sectors: Residential
Room Air Conditioners: \$25
Central Air Conditioners: \$100-\$200
Heat Pumps: \$100-\$400
Ground-source Heat Pumps: \$1000-\$2000
Desuperheaters: \$100
Heat Pump Water Heaters: \$100
Amount: Water Heaters: \$50
Washer/Dryer: \$50/unit
Lighting: \$20/fixture
Refrigerator: \$50
Freezer: \$25
Dishwasher: \$20
Appliance Recycling: \$25-\$50/unit
Start Date: 1/1/2011
Expiration Date: 12/31/2011
Web Site: http://www.midamericanenergy.com/ee/ia_res_re...

Summary:
MidAmerican Energy offers a variety of incentives for their residential customers to improve the energy efficiency of their homes. The Residential Equipment Brochure on the program website above provides specific rebate amounts by efficiency, further details and requirements. After installing qualifying equipment, customers should submit a completed Equipment Rebate Application and a detailed invoice to MidAmerican. Heating and cooling dealers have a supply of Equipment Rebate Applications and will participate with customers. Applications must be postmarked by January 31, 2012 in order to receive rebates.

Contact:

EnergyAdvantage Programs
MidAmerican Energy Company
P. O. Box 7232
Des Moines, IA 50309-7232
Phone: (800) 894-9599
Fax: (515) 244-8825
E-Mail: EnergyExpert@midamerican.com
Web Site: <http://www.midamericanenergy.com/>

MidAmerican Energy (Gas and Electric) - Commercial New Construction Energy-Efficiency Program

Last DSIRE Review: 04/08/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Lighting, Lighting Controls/Sensors, Heat pumps, Central Air conditioners, Heat recovery, Duct/Air sealing, Building Insulation, Windows, Motors, Motor VFDs, Comprehensive Measures/Whole Building, Custom/Others pending approval

Eligible Renewable/Other Technologies: Geothermal Heat Pumps, Daylighting

Applicable Sectors: Commercial, Industrial, Nonprofit, Local Government, State Government, Fed. Government

Amount: Construction rebates: \$0.06-\$0.19/kWh saved; \$0.60-\$1.90/therm saved based on % savings from Iowa Energy Code
Design rebates: \$2,000-\$13,000, based on square footage

Equipment Requirements: Minimum energy savings of 15% better than the Iowa Energy Code

Web Site: http://www.midamericanenergy.com/ee/ia_bus_co...

Summary:

MidAmerican Energy's Commercial New Construction Program offers incentives to businesses for energy-efficient construction and design of new or pre-existing buildings. Construction Incentives are paid to the building owner based on the kilowatt-hour (kWh) savings modeled and verified as installed by an independent modeler contracted by MidAmerican Energy. A minimum energy savings of 15% beyond that required by the state of Iowa code is required to qualify. Construction incentives for electric customers range from \$0.06 to \$0.19 per kWh saved. Incentives for gas customers range from \$0.60 to \$1.90 per therm saved. Design incentives are also paid to design teams who use the services of an independent building energy performance modeler contracted by MidAmerican Energy. Design incentives are based on the square footage

and type of building. Incentives start at \$2,000 for buildings of 5,000 sq/ft or less and extend to \$13,000 for buildings as large as 400,000 sq/ft. The independent modeler will analyze potential energy savings and produce a final energy verification report. Customers who participate in this program are ineligible for rebates from other MidAmerican Energy Advantage programs. See the program web site for more details.

Contact:

Commercial New Construction Program
MidAmerican Energy
Des Moines, IA
Phone: (800) 292-6448
Phone 2: (563) 333-8206
Fax: (563) 333-8252
Web Site: http://www.midamericanenergy.com/ee/ia_bus_comm_new_construction.aspx

MidAmerican Energy (Gas) - Commercial Energy Advantage Rebate Program

Last DSIRE Review: 04/07/2011

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers, Furnaces, Boilers, Heat pumps, Central Air conditioners, Programmable Thermostats, Building Insulation, Windows, Doors, Motors, Motor VFDs, Led Exit Signs, Room Air Conditioners, Vending Machine Controls, Commercial Cooking Equipment, Food Service Equipment, Furnace Fan

Applicable Sectors: Commercial, Nonprofit, Local Government, State Government, Fed. Government

Amount: Furnaces: \$250-\$400
Fan Motors for Natural Gas Furnaces: \$50
Boilers: \$150-\$400
Water Heaters: \$50-\$300
Programmable Thermostats: \$30
Convection Ovens: \$200
Conveyor Ovens: \$500
Fryers: \$500
Steam Cookers: \$500
Window Film: \$2/sq. ft.
Doors: \$2.25/sq. ft.-\$50

Attic/Roof/Sidewall Insulation: \$0.01 - \$0.02 x (R-value increase x Area in square ft.)

Weather Stripping/Caulking/Foam Backer Rod: 70% of cost up to \$750

Equipment Requirements: See applicable program brochure on program website for respective equipment requirements

Installation Requirements: Incentives exceeding \$10,000 require preapproval by MidAmerican

Web Site: http://www.midamericanenergy.com/ee/ia_bus_re...

Summary:

MidAmerican Energy offers a variety of incentives for their commercial customers to improve the energy efficiency of their facilities. Rebates are generally available to both gas and electric customers. Detailed information regarding incentive amounts, program instructions and equipment requirements are located on the program web site listed above. Only MidAmerican customers may receive rebates if the purchased equipment is eligible. Rebate application forms are available on the utility website.

Contact:

EnergyAdvantage Programs
MidAmerican Energy
P.O. Box 7232
Des Moines, IA 50309-7232
Phone: (800) 894-9599
Fax: (515) 244-8825
E-Mail: EnergyExpert@midamerican.com
Web Site: <http://www.midamericanenergy.com/>

MidAmerican Energy (Gas) - Residential Energy Efficiency Rebate Programs

Last DSIRE Review: 04/08/2011

Program Overview:

State: Iowa
Incentive Type: Utility Rebate Program
Eligible Efficiency Technologies: Water Heaters, Furnaces , Boilers, Motor VFDs
Applicable Sectors: Residential
Amount: Furnaces: \$250-\$400
Efficient Fan Motor for Furnace: \$50
Boilers: \$150-\$400
Water Heaters: \$50-\$300
Start Date: 1/1/2011

Expiration Date: 12/31/2011

Web Site: http://www.midamericanenergy.com/ee/ia_res_re...

Summary:

MidAmerican Energy offers a variety of incentives for their residential customers to improve the energy efficiency of their homes. The Residential Equipment Brochure on the program website above provides specific rebate amounts by efficiency, further details and requirements. After installing qualifying equipment, customers should submit a completed Equipment Rebate Application and a detailed invoice to MidAmerican. Heating and cooling dealers have a supply of Equipment Rebate Applications and will participate with customers. Applications must be postmarked by January 31, 2012 in order to receive rebates.

Contact:

Commercial New Construction Program

MidAmerican Energy

Des Moines, IA

Phone: (800) 292-6448

Phone 2: (563) 333-8206

Fax: (563) 333-8252

Web Site: http://www.midamericanenergy.com/ee/ia_bus_comm_new_construction.aspx

Missouri River Energy Service Member Utilities - Commercial and Industrial Efficiency Rebates

Last DSIRE Review: 12/21/2010

Program Overview:

State: Iowa

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Lighting, Lighting Controls/Sensors, Chillers, Heat pumps, Central Air conditioners, Programmable Thermostats, Windows, Motors, Motor VFDs,

Custom/Others pending approval, Commercial Cooking Equipment, Pumps

Applicable Sectors: Commercial, Industrial, Local Government

Amount: Central Air Conditioning: \$35 - \$65/ton
Air Source Heat Pumps: \$35 - \$65/ton
Mini Split/Ductless Air Source Heat Pumps: \$200
Geothermal Heat Pumps: \$200/ton, plus \$25/ton per EER over minimum level
Air/Water Cooled Chillers: \$15 - \$40/ton
Compressed Air Audit/Leak Survey: 50% of cost
Furnace: \$200 - \$400
Boiler: \$150 - \$400
Window Air Conditioner: \$35 - \$70

Chilled Water Resets (Retrofit): \$0.35 - \$6/ton
 Heat Pump Water Heaters: \$300
 ECM in Furnace: \$150
 Energy Management System: \$30 - \$35/room
 Programmable Thermostat: \$50/unit
 Window Film: \$2/square foot
 Commercial Refrigerators/Freezers: \$50 - \$250
 Ice Machines: \$200 - \$600
 Fryers: \$300 - \$500
 Griddles: \$200 - \$600
 Steam Cookers: \$300 - \$600
 Hot Food Holding Cabinets: \$200 - \$400
 Ovens/Steamers: \$400 - \$1,500
 High-Bay Fluorescent (New Construction): \$40 - \$100/unit
 High-Bay Controls (New Construction): \$10/controlled fixture
 Fluorescent Fixtures (New Construction): \$4 - \$10
 Lighting (Existing Buildings): Vary widely, see program brochure
 Three-Phase Electric Motors: \$4 - \$15/HP
 Pumps: \$60 - \$400/unit
 Variable Frequency Drives: \$40/HP
 Specialty Measures: Vary widely, see program brochure
 Targeted Audit: Varies by building type and size
 Custom Measures: \$300 kW; \$0.01/kWh; \$0.40/Therm
 Prescriptive Measures: \$10,000 in each category unless pre-approved
 Custom Measures: \$100,000 per customer per year

Maximum Incentive:

Equipment Requirements:

Expiration Date: 12/31/2011

Web Site: <http://www.brightenergysolutions.org/municipa...>

Summary:

Missouri River Energy Services is a joint-action agency that supplies electricity and a range of energy-related programs and services to public power communities in the states of Iowa, Minnesota, North Dakota, and South Dakota. One of these services is the Bright Energy Solutions program, which offers cash rebates for energy efficiency improvements to commercial, industrial, and government customers of participating member utilities. Below is a list of Iowa municipal utilities that participate in one or more of the programs.

- Alton Municipal Utilities
- Denison Municipal Utilities
- Hartley Municipal Utilities
- Hawarden Municipal Utilities
- Manilla Municipal Utilities
- Orange City Municipal Utilities
- Paullina Municipal Utilities
- Primghar Municipal Utilities

Rock Rapids Municipal Utilities
Sanborn Municipal Utilities
Sioux Center Municipal Utilities
Woodbine Municipal Utilities

Rebates are offered for improvements in several different categories: Lighting in New Construction; Lighting Retrofits; Cooling/Chillers; Motors, Pumps, and Variable Frequency Drives; Food Service Equipment; and Custom Measures. Prescriptive rebates are available for many types of equipment and custom rebates are based on the average demand reduction from June-September. Equipment requirements and rebate levels vary by the technology employed and are available on the rebate applications. Certain equipment which is available to some communities may not be offered by all of the participating utilities.

All equipment must be new and rebates may not be honored for equipment ordered, purchased, or installed prior to the receipt of rebate approval. Custom rebates are limited to \$100,000 per customer per calendar year and have minimum application value of \$500. Payments for rebates larger than \$100,000 may be paid out over the course of multiple years. Prescriptive rebates in each of the first 4 categories that are larger than \$10,000 must be pre-approved by the utility. All applicants should contact their utility to confirm customer eligibility and the availability of funds prior to applying under any program. For further information, please consult the program website listed at the top of this page or contact utility representatives.

Contact:

Bright Energy Solutions
Missouri River Energy Services
3724 West Avera Drive
PO Box 88920
Sioux Falls, SD 57109-8920
Phone: (605) 338-4042
Fax: (605) 978-9360
E-Mail: info@mrenergy
Web Site: <http://www.brightenergysolutions.org/index.htm>

Muscatine Power and Water - Commercial and Industrial Energy Efficiency Rebates

Last DSIRE Review: 01/19/2011

Program Overview:

State:	Iowa
Incentive Type:	Utility Rebate Program
Eligible Efficiency Technologies:	Water Heaters, Lighting, Heat pumps, Central Air conditioners, Motors, Custom/Others pending approval, Led Exit Signs, Room Air

	Conditioners
Eligible Renewable/Other Technologies:	Geothermal Heat Pumps
Applicable Sectors:	Commercial, Industrial Commercial Lighting: Varies widely Motors: \$4 - \$10/HP Compact Fluorescent Lights: 50% off purchase price LED Exit Signs: \$15/fixture Room AC: \$25 Air Source Heat Pumps (less than 65,000 Btuh): \$100 - \$400 Air Source Heat Pumps (greater than 65,000 Btuh): See rebate formula in program brochure
Amount:	Water Source Heat Pumps: See rebate formula in program brochure Central Air Conditioners: \$150/ton Package Terminal AC/Heat Pumps: \$50 Chillers: See custom incentives Programmable Thermostats: \$25 Electric Water Heater: \$100 Geothermal Heat Pumps: \$300/ton (1 stage), \$150/ton (2 stage) Desuperheater: \$100 Custom: Varies widely
Maximum Incentive:	Pre-approval required for rebates over \$2,000
Eligible System Size:	Electric Water Heater: 40 gallons or more Geothermal Heat Pump: SEER 14.0+
Equipment Requirements:	LED Exit Signs: Must replace incandescent signs Central AC: 14 SEER or higher Electric Water Heater: EF of 0.94 or higher
Expiration Date:	12/31/2011
Web Site:	http://www.mpw.org/commercial_rebates.aspx

Summary:

Muscatine Power and Water (MP&W) offers rebates for energy efficient upgrades to its commercial and industrial customers. Rebates are available for commercial lighting retrofits, energy efficient motors, LED exit signs, fluorescent light bulbs, air conditioners, air source and water source heat pumps, geothermal heat pumps, and custom measures that reduce electricity demand. Facilities must receive an energy audit from MP&W prior to any equipment replacement in order to be eligible for demand reduction based rebates. The prescriptive appliance rebates are exempt from this requirement. Potential rebates totaling \$2,000 or more must receive pre-approval from MP&W. Rebates for large geothermal systems may be spread out over three years. Specific rebate amounts and program details are located on the program [overview and information brochure](#). Custom rebate amounts are determined through a meeting between the customer and MP&W and a technical review by MP&W.

Measures must be purchased during a given calendar year in order to qualify for the incentives

offered during that year. Applications for measures taken during previous years must be submitted by March 31 of the following year. All rebates are subject to funding availability and the program may be discontinued at any time without notice. It is the responsibility of the applicant to verify that the program remains active prior to making any equipment purchases. Muscatine Power and Water also offers a donation program in which commercial and industrial customers may have a wind turbine or solar array installed on a contributor's property.

Contact:

Eric Biederman
Muscatine Power and Water
3205 Cedar Street
Muscatine, IA 52761
Phone: (563) 262-3354
Fax: (563) 262-3345
E-Mail: ebiederman@mpw.org

Paul Burback
Muscatine Power and Water
3205 Cedar Street
Muscatine, IA 52761
Phone: (563) 262-3423
Fax: (563) 262-3345
E-Mail: pburback@mpw.org

Muscatine Power and Water - Residential Energy Efficiency Rebates

Last DSIRE Review: 01/07/2011

Program Overview:

State:	Iowa
Incentive Type:	Utility Rebate Program
Eligible Efficiency Technologies:	Clothes Washers, Dishwasher, Refrigerators, Water Heaters, Lighting, Central Air conditioners, Windows, Electric Range
Eligible Renewable/Other Technologies:	Geothermal Heat Pumps
Applicable Sectors:	Residential
Amount:	Dishwasher: \$50 Clothes Washer: \$50 Room AC: \$25 Refrigerator: \$50

Central AC: \$150
Geothermal Heat Pump (One Stage): \$150/ton
Geothermal Heat Pump (Two Stage): \$300/ton
Electric Water Heater: \$100
Electric Clothes Dryer: \$25
Electric Range: \$25
Energy Star Windows: \$25/window
Compact Fluorescent Lights: 50% of pre-tax purchase price

Eligible System Size: Electric Water Heater: 40 gallons or more
All Appliances: Must be Energy Star qualified
Central AC: SEER 14.0 or higher
Geothermal Heat Pump: SEER 14.0+, follow utility sizing recommendations

Equipment Requirements: Electric Water Heater: EF .94 or higher
Electric Dryer: Must have moisture sensor or cool-down cycle
Electric Range: Must be self-cleaning, small window, induction worktop, or convection oven

Expiration Date: For purchases after - 1/1/2011
Applications must be filed by 3/31/2012

Web Site: http://www.mpw.org/residential_rebates.aspx

Summary:

Muscatine Power and Water (MP&W) offers rebates on certain energy efficiency appliances to its residential customers. Rebates for new electric refrigerators, dishwashers, clothes washers, dryers, ranges, room air and central air conditioners, ground source heat pumps, and water heaters are eligible for this program. The rebate amount varies by the measure employed, and appliances must meet certain requirements (e.g., Energy Star qualified) to be eligible. Generally, energy guides must be submitted along with the [application](#) and purchase receipt to verify that the appliance meets the program requirements. Rebates for refrigerators require proof of disposal for the old refrigerator, either through a participating dealer or the City of Muscatine.

Appliances must be purchased during any given calendar year to be eligible for the rebates offered during that year. Applications for appliances purchased during the previous year must be received by March 31 of the following year in order to be eligible for a rebate. Make, model, purchase date, purchase location, quantity and price must be included with rebate application. Rebates are subject to funding availability and may be discontinued at any time without notice. It is the responsibility of the applicant to verify that the program is active before making any equipment purchases.

Contact:

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Waverly Light & Power - Residential Energy Efficiency Rebates

Last DSIRE Review: 03/28/2011

Program Overview:

State: Iowa
Incentive Type: Utility Rebate Program
Eligible Efficiency Technologies: Clothes Washers, Refrigerators, Water Heaters, Heat pumps, Central Air conditioners, Comprehensive Measures/Whole Building
Applicable Sectors: Residential
Energy Star New Home: \$1,300
Heat Pump Water Heater: \$500
Central AC: \$150
Amount: Air-Source Heat Pump: \$150
Geothermal Heat Pump: \$450
Clothes Washer: \$75
Refrigerator: \$50
Central AC: SEER of 15 or higher
Heat Pump: SEER of 15 or higher, 8.5 HSPF
Equipment Requirements: Geothermal Heat Pump: 3.3 COP
Clothes Washer: Energy Star rated, MEF of 2.0 or higher
Refrigerator: Energy Star rated, must exceed federal energy standard by 20%
Web Site: <http://wlp.waverlyia.com/residential/energy-e...>

Summary:

Waverly Light and Power (WL&P) offers rebates for the purchase and installation of energy efficient HVAC systems and appliances to its residential customers. Rebates are available for central AC units, heat pumps, clothes washers, and refrigerators. Separate incentives are also available for energy efficient residential construction. All improvements must comply with the energy efficiency standards set by the utility. Space conditioning units must be properly sized and customers must submit the federal Energy Guide label with appliance rebate applications. Dormitory sized refrigerators of 6 cubic feet or less are not eligible for a rebate. Appliance rebates also require verification of disposal of the old appliance from the appliance dealer. Rebates are paid in Waverly Dollars, which can be used for shopping at local businesses.

The Energy Star New Home Rebate offers incentives for the construction of energy efficient residences. The program offers a rebate of \$1,300 for homes which meet the program energy efficiency standard. For further information these programs, including lists of eligible appliance

models and participating dealers, customers should consult the program web site or contact the utility.

Contact:

Conservation Information
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Waverly, IA 50677
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Fax: (319) 352-6254
E-Mail: contactus@wlpnet.net
Web Site: <http://wlp.waverlyia.com/index.asp>

Waverly Light & Power - Residential Solar Thermal Rebates

Last DSIRE Review: 11/10/2010

Program Overview:

State:	Iowa
Incentive Type:	Utility Rebate Program
Eligible Renewable/Other Technologies:	Solar Water Heat
Applicable Sectors:	Residential
Amount:	\$30 / sq. foot of collector area
Maximum Incentive:	\$3,500
Equipment Requirements:	Solar Hot Water Heater system must be new and undamaged Flat-plate or evacuated-tube collectors Solar thermal equipment must be certified by the SRCC with manufacturer's warranty Qualifying systems must not be installed prior to written authorization from WLP.
Installation Requirements:	Customer will have 90 days from the date of approval to complete SWH project. Systems must be installed in accordance with the National Electric Code and all applicable local ordinances.
Start Date:	07/01/2009
Web Site:	http://wlp.waverlyia.com/environment/harnessi...
Summary:	

Waverly Light and Power (WL&P) offers rebates for the purchase and installation of *solar hot water heating systems* to its residential customers. All purchases must have pre-approval obtained through WL&P's solar water heater application process. In addition, residential customers must obtain a county-issued permit prior to installing a solar water heating system. There is a limit of one rebate per address. Funding is available until the rebate fund is exhausted.

Rebate Application Procedure

1. Residents obtain a county-issued permit for a solar water heating system and choose any licensed, bonded contractor in Bremer County to perform the installation.
2. Waverly Light and Power and Bremer County inspections performed as a safeguard.
3. Submit official WL&P Solar Hot Water Heater rebate application paperwork. Rebate amounts are determined by the size of individual solar panel system at \$30 per square foot.
4. Rebate checks are issued within 14 business days on a first-come, first serve basis.

Visit the Waverly Light and Power Solar Hot Water Heater [rebate webpage](#) for more information.

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Web Site: <http://wlp.waverlyia.com/index.asp>

Rules, Regulations & Policies

Iowa Building Energy Codes

Last DSIRE Review: 12/07/2010

Program Overview:

State: Iowa

Incentive Type: Building Energy Code

Eligible Comprehensive Measures/Whole Building

Efficiency
Technologies:

Applicable
Sectors: Commercial, Residential

Residential Code: 2009 IECC mandatory statewide. Can use REScheck to show compliance.

Commercial
Code: 2009 IECC, referencing ASHRAE 90.1-2004. Can use COMcheck to show compliance.

Code Change
Cycle: The state energy code is reviewed on a three-year code cycle corresponding to publication of the IECC. Written requests for changes to the state energy code can be submitted to the state Building Code Bureau. All suggested code revisions are processed through the state administrative rule-making process involving publication, public comments, and public hearings. The latest code update was on January 1, 2010.

Web Site: <http://bcap-ocean.org/state-country/iowa>

Summary:

Much of the information presented in this summary is drawn from the U.S. Department of Energy's (DOE) Building Energy Codes Program and the Building Codes Assistance Project (BCAP). For more detailed information about building energy codes, visit the [DOE](#) and [BCAP](#) websites.

[House File 2361](#) was signed in April 2006. This law rescinded Iowa's minimum energy efficiency standard for residential construction, the "home heating index," and instead requires the state building commissioner to adopt energy conservation requirements based on a nationally recognized building energy code. The State Building Code Commissioner, in conjunction with the State's Building Code Advisory Council, adopts rules and holds public hearings on the proposed rules.

On October 21, 2009 the Iowa Building Code Advisory Council, after previously issuing a notice of intended action (NIA), approved the adoption of several amendments to the State Building Code, including the adoption of the 2009 IECC effective January 1, 2010 (with a three month transition period during which the previous code, the 2006 IECC, may still be used). Residential sprinkler requirements have been pushed back until January 1, 2013.

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Electric Efficiency Standard

Last DSIRE Review: 12/15/2010

Program Overview:

State:	Iowa
Incentive Type:	Energy Efficiency Resource Standard
Eligible Efficiency Technologies:	Custom/Others pending approval, Others pending approval, Electricity Demand-Side Reduction Measures
Applicable Sectors:	Investor-Owned Utility, Retail Supplier
Electric Sales Reduction	Utility-Specific Energy Efficiency Resource Standards set by IUB IUB Benchmark of 1.5% Electric Sales Reduction (GWh) by 2013
Natural Gas Sales Reduction	Utility-Specific Energy Efficiency Resource Standards set by IUB IUB Benchmark of 1.5% Natural Gas Sales Reduction by 2013
Web Site:	http://www.state.ia.us/government/com/util/en...
Authority 1:	Iowa Code § 476
Authority 2:	S.F. 2386
Date Enacted:	05/06/2008
Date Effective:	05/06/2008

Summary:

The state of Iowa is served by three major investor-owned utilities that are rate-regulated by the Iowa Utilities Board. Two of these utilities sell both electricity and natural gas, MidAmerican Energy Company and Interstate Power and Light Company (Alliant). The third, Black Hills Corporation, only sells natural gas.

Pursuant to Iowa law, each investor-owned electric and natural gas utility (IOU) is subject to rate regulation by the Iowa Utilities Board (IUB). In accordance with [Chapter 476.6 of the Code of Iowa](#), each IOU is required to conduct consumer energy efficiency programs that are planned, filed and approved by the IUB, and to submit to an annual report to the board describing its energy efficiency efforts during the previous year. Consumer-owned utilities, which are not rate-regulated by the IUB and include gas and electric utilities like municipal utilities and electric cooperatives, can develop and operate independent plans and programs, but must also provide reports of their plans to the IUB.

Qualifying Energy Efficiency Measures

Energy efficiency plans in Iowa address both electric and natural gas use through a combination of programs and incentives. Energy efficiency programs shall include efficiency improvements to a utility infrastructure and system and activities conducted by a utility intended to enable or encourage customers to increase the amount of heat, light, cooling, motive power, or other forms of work performed per unit of energy used. According to Iowa Senate File 2386, utility energy efficiency programs may include "activities which lessen the amount of heating, cooling, or other forms of work which must be performed, including but not limited to energy studies or audits,

general information, financial assistance, direct rebates to customers or vendors of energy-efficient products, research projects, direct installation by the utility of energy-efficient equipment, direct and indirect load control, time-of-use rates, tree planting programs, educational programs, and hot water insulation distribution programs.'

Plans and Programs

Key features of all plans and programs approved for IOUs include:

- Cost-effectiveness for customers and the utility, and will consider the impact on utility rates.
- Programs and planning that considers all electric and natural gas customers.
- Analysis of potential for energy efficiency, cost savings and defined performance standards.
- Cost recovery of energy efficiency measures by rate-regulated utilities is handled on an automatic rate pass-through and reconciled annually.

Utility Specific Energy Efficiency Resource Standards

After receiving each utility's energy efficiency plans along with analysis of potential energy and capacity savings, the IUB will consult with the Iowa Office of Energy Independence (OEI) to develop *specific capacity and energy savings performance standards for each utility*. Visit your respective rate-regulated utility's website to find out which programs and incentives are currently available.

Energy Efficiency in State Facilities

Last DSIRE Review: 04/06/2011

Program Overview:

State:	Iowa
Incentive Type:	Energy Standards for Public Buildings
Eligible Efficiency Technologies:	Comprehensive Measures/Whole Building, Specific technologies not identified
Applicable Sectors:	State Government
Requirement:	Average energy use reduction of 15% by 2015 in state buildings from a 2008 baseline
Web Site:	http://www.energy.iowa.gov/green_govt/index.h...
Authority 1:	Executive Order No. 6 (2008)
Date Enacted:	02/21/2008

Summary:

In April 2005, Iowa governor Tom Vilsack issued Executive Order No. 41, directing state agencies to reduce electricity and natural gas use in buildings by an average of 15% by 2010, relative to their energy use in 2000. In February 2008, Governor Chet Culver issued Executive

Order No. 6 (EO 6), rescinding the earlier order and providing for a further 15% reduction in the use of natural gas, fuel oil, electricity, and water in state buildings within 5 years. The new goal will also take into account growth in the state workforce and changes in building operations. A joint committee called the Energy Excellent Buildings Task Force and composed of representatives from various state agencies will provide guidance towards achieving this goal. This program update is part of Culver's broader Green Government Initiative, which also created a Sustainable Materials Task Force and a Biofuels Task Force.

In compliance with EO 6, a [Green Government Master Plan](#) has been developed outlining the results of a state agency survey on energy use and offering recommendations for improvement. Regarding building energy use, the Master Plan recommends that all agencies should: complete energy audits during the next year; limit the use of personal appliances (e.g., coffee makers, microwaves, etc.) in favor of centralized facilities; and invest in information systems that allow computers to be turned off at night and on weekends. The plan also recommends that the Green Government Steering Committee develop a report for the Governor with suggestions for improving data collection beginning in Fiscal Year 2010.

The Iowa Department of Administrative Services (DAS), which operates the Capitol Complex, has adopted an extensive energy management strategy which includes revised building temperature settings and limitations on off-hour use of general lighting. The DAS is also working on implementing additional recommendations regarding energy efficient lighting equipment, the use of outside air to meet cooling needs, automation of heating and cooling systems, and motion detector use in common areas. Click [here](#) for more information on the DAS energy management strategies.

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Fuel Mix and Emissions Disclosure

Last DSIRE Review: 03/04/2011

Program Overview:

State:

Iowa

Incentive Type:

Generation Disclosure

Eligible Renewable/Other Technologies: Renewable energy use disclosed in fuel mix data

Applicable Sectors: Utility

Fuel Mix: Must be disclosed

Emissions: Must be disclosed

Distribution & Frequency: Distributed to customers annually

Standard Format Required?: No

Authority 1: [IAC § 199-15.17\(5\)](#)

Date Enacted: 08/29/2003

Date Effective: 01/01/2004

Summary:

Iowa adopted regulations in 2003 that generally require rate-regulated electric utilities to disclose to customers the fuel mix and estimated emissions, in pounds per megawatt-hour (MWh), of electricity production. Such information must be disclosed to customers annually. This requirement excludes electric public utilities with fewer than 10,000 customers and electric cooperatives that have elected to allow the Iowa Utilities Board (IUB) to regulate their rates.

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Interconnection Standards

Last DSIRE Review: 06/03/2010

Program Overview:

State: Iowa

Incentive Type: Interconnection

Eligible Renewable/Other Technologies: Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass, Hydroelectric, Geothermal Electric, Municipal Solid Waste, CHP/Cogeneration, Anaerobic Digestion

Applicable Sectors: Commercial, Industrial, Residential, Nonprofit, Schools, Local Government, State Government, Fed. Government, Agricultural, Institutional

Applicable Utilities: Investor-owned utilities, Linn County REC

System Capacity Limit: 10 MW*

Standard Agreement: Yes
Insurance Requirements: Vary by system size and/or type; levels established by IUB
External Disconnect Switch: Utility's discretion
Net Metering Required: No
Authority 1: [IAC § 199-15.10](#)
Authority 2: [IUB Order, Docket No. RMU-2009-0008](#)
Date Enacted: 05/26/2010
Date Effective: 07/21/2010

Summary:

Different rules govern the interconnection of distributed generation facilities in Iowa, depending on whether or not the interconnection is with a utility whose rates are regulated by the Iowa Utilities Board (IUB). Rate regulated utilities include only the state's two investor-owned utilities -- MidAmerican Energy and Interstate Power and Light (IPL) -- and Linn County Rural Electric Cooperative. The rates of municipal utilities and other rural electric cooperatives are not regulated by the IUB. In reality, only very limited guidelines are in place for utilities that are not rate-regulated by the IUB and since many details are left to the discretion of the utility, it is debatable whether these minimal provisions can be described as standards. The detailed standards for rate-regulated utilities adopted in May 2010 are described first below, followed by those that apply to both rate regulated and non-rate regulated utilities.

Net metering is also to available customers of investor-owned utilities for renewable energy facilities of up to 500 kW. Click [here](#) for information on net metering in Iowa.

Rate-Regulated Utilities

Iowa's detailed interconnection standards apply to distributed generation facilities of up to 10 megawatts (MW)* that are not subject to the interconnection requirements of the Federal Energy Regulatory Commission (FERC), the Midwest Independent Transmission System Operator, Inc. (MISO), or the Mid-Continent Area Power Pool (MAPP). The definition of a distributed generation facility includes qualifying facilities (QFs) under the U.S. Public Utilities Regulatory Policy Act (PURPA) and alternative energy production (AEP) facilities as defined by Iowa law. AEP facilities are defined as electricity generation facilities which derive at least 75% of their energy input from solar, wind, waste management, resource recovery, refuse-derived fuel, agricultural crops or residues, or wood burning; as well as dam-based hydroelectric facilities. The rules are contained in IAC § 199-45 adopted by the IUB in May 2010.

Like many recent interconnection regulation adoptions in other states, the Iowa rules set four levels of review for interconnection requests. A project must meet all of the requirements of a given classification in order to be eligible for that level of expedited review. The level of review required is generally based on system capacity, whether system components are certified by a nationally recognized testing laboratory (NRTL), and whether the system is connected to a radial distribution circuit or to an area network. The basic definitions for each tier are as follows (see IAC § 199-45 for further details):

- Tier 1: Lab-certified, inverter-based systems with a capacity rating of 10 kilowatts (kW) or less.
- Tier 2: Lab-certified systems with a capacity rating of 2 MW or less, connected to a radial distribution network or a spot network serving one customer.
- Tier 3: Lab-certified, inverter-based systems with a capacity rating of 50 kW or less which are connected to an area network and which will not export power; or lab-certified, non-exporting systems connected to a radial distribution circuit where the aggregate total of all generator nameplate capacity is no more than 10 MW (including the distributed generator applicant).
- Tier 4: Systems with a capacity of 10 MW or less that do not meet the criteria for inclusion in a lower tier, including all systems using non-lab-certified components and those that require additional construction by the utility in order accommodate the facility.

The rules adopt IEEE 1547-2003 as the technical standard for evaluating interconnection requests. Systems are considered to be lab-certified if the equipment has been tested successfully in accordance with IEEE 1547.1, or certified as compliant with UL-1741, by a nationally recognized testing laboratory (NRTL). The rules also specify the technical screens which may be applied to applications at each level of review as well as time limits for different stages of the evaluation process. Generally speaking, higher level applications are subject to more intensive screening and longer time limits.

A lockable external disconnect switch (EDS) may be required at the utility's discretion, and the utility is permitted to make reasonable system monitoring and control requirements for systems larger than 1 MW. In addition, systems with a design capacity of 100 kW or less must be equipped with a device that automatically disconnects the system from the electric grid upon a loss of utility-supplied voltage.

The rules require the use of standardized interconnection applications and agreements, which have been developed by the IUB. The Level 1 application and agreement is a simplified version of the documents used for Level 2-4 interconnections. All applicants are required to carry and provide proof of some type of general liability insurance as part of the interconnection agreement. For facilities of less than 1 MW, homeowner's insurance is referred to by the rules as one acceptable form of general liability insurance without any specific minimum amount of coverage. For facilities of 1 MW or larger, the customer must maintain a general liability insurance policy with a limit of at least \$2 million per occurrence and at least \$4 million in aggregate, which also names the utility as an additional insured party.

Application fees are set at \$50 for Level 1 applications; \$100 plus \$1 per kW for Level 2 applications; \$500 plus \$2 per kW for Level 3 applications; and \$1,000 plus \$2 per kW for Level 4 applications. Utilities are required to designate a point of contact for system interconnections and provide contact information on the utility web site.

Rate-Regulated & Non-Rate-Regulated Utilities

Until the May 2010 adoption of detailed standards for rate regulated utilities, interconnection rules in Iowa were limited to those contained in IAC § 199-15.10. As with newly adopted Chapter 45, these rules were and are limited to PURPA QFs and AEP facilities. The contents of

15.10 largely address only power quality and safety issues, including: the use IEEE 1547-2003 as the technical standard for interconnection evaluations; allowing utilities discretion to require the installation of an EDS; a requirement that facilities of 100 kW or less have automatic disconnect capability upon the loss of grid voltage; granting utilities site access rights for inspection and testing; and allowing utilities to disconnect facilities in emergency situations. This rule was amended in May 2010 to update certain technical references and standards and harmonize it with new Chapter 45.

History

In July 2006, the IUB began an inquiry into the development of uniform, detailed interconnection standards. A draft version of model interconnection procedures was issued for comment in April 2007, and in December 2008 additional comments were requested on the possibility of adopting interconnection rules similar to those adopted by Illinois. The IUB subsequently opened a formal rule making docket ([RMU-2009-0008](#)) in September 2009, using the Illinois rules as a starting point. After a series of further stakeholder consultations, final rules were adopted in May 2010.

**The actual language of the rules states generation capacity in terms of MVA or kVA, as opposed to MW or kW. In addition, while the standard rules only apply to systems up to 10 MW, they state that interconnection of larger facilities should take place using the Level 4 review process and agreement as a starting point, supplemented with mutually agreed upon modifications on the part of the customer and the utility.*

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Mandatory Utility Green Power Option

Last DSIRE Review: 10/12/2010

Program Overview:

State:	Iowa
Incentive Type:	Mandatory Utility Green Power Option
Eligible Renewable/Other Technologies:	Photovoltaics, Wind, Biomass, Hydroelectric, Municipal Solid Waste

Applicable Sectors: Utility
Authority 1: [Iowa Code § 476.47](#)
Date Enacted: 07/01/2001
Date Effective: 01/01/2004
Authority 2: [IAC 199-15.17](#)
Date Enacted: 08/29/2003

Summary:

All electric utilities operating in Iowa, including those not rate-regulated by the Iowa Utilities Board (IUB), are required to offer green power options to their customers. These programs allow customers to make voluntary contributions to support the development of renewable energy sources in Iowa. Utilities must file their program plans and tariff schedules with the IUB; however, the filings for non-rate-regulated utilities are intended to be for informational purposes only. This policy took effect January 1, 2004.

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Iowa - Net Metering

Last DSIRE Review: 12/06/2010

Program Overview:

State:	Iowa
Incentive Type:	Net Metering
Eligible Renewable/Other Technologies:	Photovoltaics, Wind, Biomass, Hydroelectric, Municipal Solid Waste, Small Hydroelectric
Applicable Sectors:	Commercial, Industrial, Residential
Applicable Utilities:	Investor-owned utilities
System Capacity Limit:	500 kW
Aggregate Capacity Limit:	No limit specified
Net Excess Generation:	Credited to customer's next bill at retail rate; carries over indefinitely
REC Ownership:	Not addressed
Meter Aggregation:	Not addressed

Authority 1: [Iowa Code § 476.41 et seq.](#)

Authority 2: [IAC § 199-15.11\(5\)](#)

Date Enacted: 07/27/1984

Summary:

Iowa's statutes do not explicitly authorize the Iowa Utilities Board (IUB) to mandate net metering, but this authority is implicit through the board's enforcement of PURPA and Iowa Code § 476.41 *et seq.* Iowa's net-metering subrule, adopted by the IUB in July 1984, applies to customers that generate electricity using alternate energy production facilities (AEPs). Net metering is available to all customer classes of Iowa's two investor-owned utilities -- MidAmerican Energy and Interstate Power and Light (IPL).

There is no explicit limit on either the size of a net-metered system or on total enrollment in the IUB's subrule. However, separate rule waivers have allowed MidAmerican Energy and IPL to limit individual systems to 500 kilowatts (kW). Although Iowa's net-metering subrule requires utilities to purchase customers' net excess generation (NEG) at the utility's avoided-cost rate, subsequent rule waivers allow MidAmerican Energy and IPL customers to carry NEG forward for use in future months as a kilowatt-hour (kWh) credit. The net metering kWh offset effectively provides a credit at the customer's retail electricity rate. A detailed description of the Iowa net metering policy background is available [here](#).

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Alternative Energy Law (AEL)

Last DSIRE Review: 01/05/2011

Program Overview:

State: Iowa

Incentive Type: Renewables Portfolio Standard

Eligible Renewable/Other Technologies: Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass, Hydroelectric, Municipal Solid Waste, Anaerobic Digestion

Applicable Sectors: Utility

Standard: 105 MW of renewable generating capacity

Credit Trading: No
Authority 1: [Iowa Code § 476.41 et seq.](#)
Date Enacted: 1983 (amended 1991, 2003)
Authority 2: [IAC 199-15.11\(1\)](#)
Authority 3: [Iowa Utilities Board Order, Docket No. AEP-07-1](#)
Date Enacted: 11/21/2007

Summary:

Iowa requires its two investor-owned utilities -- MidAmerican Energy and Alliant Energy Interstate Power and Light (IPL) -- to own or to contract for a combined total of 105 megawatts (MW) of renewable generating capacity and associated energy production, which can include small hydropower facilities.

The Iowa Utilities Board has allocated the 105 MW between the two utilities based on each utility's percentage of their combined estimated Iowa retail peak demand in 1990. This breaks down to:

- MidAmerican Energy: 55.2 MW (52.57% of demand)
- Alliant Energy Interstate Power and Light (IPL): 49.8 MW (47.43% of demand)

Compliance and Renewable Energy Credits

The IUB issued an order in November 2007 (in Docket No. AEP-07-1) approving specific generating facilities designated by MidAmerican and IPL for satisfying the utilities' 105-MW requirement. This order cleared the way for the utilities to participate in renewable energy credit (REC) trading programs by differentiating between renewable electricity production capacity used to comply with Iowa law and that which remains uncommitted. For the present, IPL is fulfilling its entire obligation with wind while MidAmerican is fulfilling its obligation with wind and a small amount of biogas capacity.

In 2001, Iowa's governor established a secondary, voluntary goal of 1,000 MW of wind generating capacity by 2010.

History

Originally, for incentive ratemaking purposes, the Iowa Utilities Board (IUB) interpreted the 105 MW specified in the statute as "average capacity" based on kilowatt-hour output. As a result, the IUB's interpretation of the statute mandated the payment of incentive rates for 260 MW of renewable energy -- the nameplate capacity of 105 "average" MW. After the FERC overturned Iowa's renewable incentive rate program in 1997, the IUB rescinded the "average capacity" rate making concept, which is no longer part of the IUB rules.

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Solar Easements

Last DSIRE Review: 06/15/2010

Program Overview:

State: Iowa
Incentive Type: Solar/Wind Access Policy
Eligible Renewable/Other Technologies: Passive Solar Space Heat, Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Photovoltaics
Applicable Sectors: Commercial, Industrial, Residential, Nonprofit, Schools, Local Government, State Government, Fed. Government
Authority 1: [Iowa Code § 564A](#)

Summary:

Iowa's solar access easement provision allows for access to sunlight to operate a solar energy system. Those who are unable to obtain a voluntary solar easement from a property owner may apply to the solar access regulatory board for an order granting a solar access easement, if the relevant city council or county board of supervisors has created such a board. In the absence of such a board, the matter is referred to the local district court. Applications for an easement must contain specific information about the size, location, and orientation of the solar energy system, as well as a description of the actions that have been taken to minimize the impact on neighboring estates.

Iowa code also grants municipalities the right to issue ordinances prohibiting subdivisions from including restrictive covenants that limit the use of solar collectors.

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