

DSIRE™

Database of State Incentives for Renewables & Efficiency

04/14/2011



Wisconsin

Incentives/Policies for Renewables & Efficiency

Financial Incentives

Woody Biomass Harvesting and Processing Tax Credit (Corporate)

Last DSIRE Review: 04/08/2011

Program Overview:

| | |
|--|--|
| State: | Wisconsin |
| Incentive Type: | Corporate Tax Credit |
| Eligible Renewable/Other Technologies: | Biomass |
| Applicable Sectors: | Commercial, Agricultural |
| Amount: | 10% of the cost of eligible equipment |
| Maximum Incentive: | \$100,000 per claimant; total credits granted may not exceed \$900,000 per fiscal year |
| Installation Requirements: | Equipment must be used primarily to harvest or process woody biomass that is used as a fuel or as a component of fuel. |
| Carryover Provisions: | No carry-over; excess in a given year is refunded to taxpayer |
| Start Date: | 01/01/2010 |
| Expiration Date: | 12/31/2015 |
| Authority 1: | A.B. 749 |
| Date Enacted: | 05/10/2010 |
| Date Effective: | 05/25/2010 |

Summary:

In May 2010 Wisconsin enacted legislation allow taxpayers to claim a tax credit from income or franchise taxes of 10% of the cost of equipment primarily used to harvest or process woody biomass for use as a fuel or as a component of fuel. The adopted law creates identical tax credits in the portions of the Wisconsin tax code relating to income taxes on individuals (§71.07), income and franchise taxes on corporations (§71.28), and income and franchise taxes on

insurance companies (§71.47). Woody biomass is defined as "...trees and woody plants, including limbs, tops, needles, leaves, and other woody parts, grown in a forest or woodland or on agricultural land." For equipment use to be considered "primarily" for an eligible purpose, other uses of the equipment are limited to no more than 25% of total use. The credit may not be claimed for any business or trade expenses deducted by the taxpayer under 26 USC §162.

The credit will be available for 5 years, from January 1, 2010 to December 31, 2015. Allowable credits in excess of a claimant's tax liability for a given year will be refunded. Credits are limited to \$100,000 per claimant in aggregate, and \$900,000 in total each fiscal year. In addition the Department of Commerce is required to allocate \$450,000 in tax credits each fiscal year to businesses that individually have no more than \$5 million in gross receipts in Wisconsin for the taxable year in which the credit is claimed. Taxpayers will need to be certified by the Wisconsin Department of Commerce (DOC) in order to claim the tax credit. The DOC, in cooperation with the Department of Revenue, is required to develop regulations to implement the law. Forms and instructions for claiming the tax credit are available at the [Department of Revenue web site](#).

Contact:

Business Taxes Contact
Wisconsin Department of Revenue
Phone: (608) 266-2776
Web Site: <http://www.revenue.wi.gov/contact/index.html>

Clean Energy Business Loan Program

Last DSIRE Review: 07/26/2010

Program Overview:

| | |
|--|--|
| State: | Wisconsin |
| Incentive Type: | Industry Recruitment/Support |
| Eligible Efficiency Technologies: | Yes; specific technologies not identified |
| Eligible Renewable/Other Technologies: | Solar Water Heat, Solar Thermal Electric, Solar Thermal Process Heat, Photovoltaics, Landfill Gas, Wind, Biomass, Hydroelectric, Geothermal Electric, Geothermal Heat Pumps, CHP/Cogeneration, Hydrogen, Energy Storage, Anaerobic Digestion, Renewable Fuels, Other Distributed Generation Technologies |
| Applicable Sectors: | Commercial, Industrial |
| Amount: | Varies |
| Maximum Incentive: | State contribution limited to 25% of project costs |
| Terms: | Loans at 2% interest rate for 5-10 years (equipment) or 5-7 years (working capital); deferral of up to one year. |

Funding Source: American Recovery and Reinvestment Act (ARRA)

Web Site: <http://commerce.wi.gov/BD/BD-SEP-ARRA.html>

Summary:

Note: Under the American Recovery and Reinvestment Act (ARRA) of 2009, the U.S. Department of Energy (DOE) is providing a total of \$300 million to U.S. states, U.S. territories and the District of Columbia to establish rebate programs for new energy-efficient appliances that replace existing appliances in homes. Each state and territory has designed its own program. Rebates will be available until the state or territory program's funding is exhausted. Be sure to confirm that rebate funds are still available in your state or territory before making purchasing decisions.

Deadline for submissions was July 30, 2010. Applications received after this date will not be considered.

The Wisconsin Department of Commerce is offering low-interest loans to for-profit manufacturing companies for projects that support renewable energy and energy efficiency jobs within the state. The program is only available for businesses locating or expanding within the state of Wisconsin. Loans will be issued for up to 25% of project cost at a fixed interest rate of 2% over terms of 5-7 years (working capital) or 5-10 years (equipment). Loan repayment may be deferred for up to one year. The program is intended for businesses that promote:

- major renewable energy production projects;
- the manufacture of clean energy products;
- advanced manufacturing of clean energy components;
- retooling to provide component parts and other critical needs for a successful, totally integrated supply chain;
- improving industrial users' competitiveness through energy efficiency and renewable energy deployment.

The definitions of eligible renewable energy and energy efficiency related technologies are not specified, but the program website gives several examples possible projects. Project eligibility is limited to those that create or retain jobs through clean energy advanced manufacturing, clean energy supply chain development, and through reduction in the use of fossil fuels at industrial facilities, including the integration of renewable energy into industrial processes. Funds specifically may not be used for construction or building repairs; to purchase buildings or land; or to perform research, development, and demonstration activities for non-commercial technologies. Projects that have already obtained other necessary financing pieces; environmental and zoning permits; and other clearances will be given a high priority under this program.

Money to fund this program comes from State Energy Program funds under the federal American Recovery and Reinvestment Act (ARRA) of 2009, otherwise known as the federal stimulus bill. Currently, \$28 million in funding is available through this program with up to \$5 million set aside for applications in state's cheese industry. The program is eventually expected to have a total budget of \$55 million. Please consult the program website for further details or contact the appropriate [Commerce Area Development Manager](#) to discuss your project.

Contact:

General Information - Clean Energy Business Loan Program
Wisconsin Department of Commerce
E-Mail: COMSEP-ARRA@wisconsin.gov

Green Madison Revolving Loan Program

Last DSIRE Review: 03/21/2011

Program Overview:

| | |
|-----------------------------------|---|
| State: | Wisconsin |
| Incentive Type: | Local Loan Program |
| Eligible Efficiency Technologies: | Yes; specific technologies not identified |
| Applicable Sectors: | Residential, Multi-Family Residential |
| Amount: | \$1,000-\$15,000 |
| Maximum Incentive: | \$15,000 |
| Terms: | Unsecured loan Up to 15 years amortization Variable interest rate |
| Funding Source: | American Recovery and Reinvestment Act of 2009 (ARRA) and BetterBuildings |
| Program Budget: | \$42,000,000 |
| Start Date: | 2011 |
| Web Site: | http://cityofmadison.com/greenmadison/ |

Summary:

Green Madison is a revolving loan program for residential energy efficiency improvements. Loans are available for owner-occupied single family residences or owner-occupied multi-family residences of up to three units. Property must be located within the City of Madison. To sign up for the program, interested residents should use the sign up form on the program web site.

Contact:

General Information
City of Madison
Green Madison
413 Charmany Drive
Madison , WI 53719

Phone: (877) 399-1204
E-Mail: greenmadison@cityofmadison.com

Milwaukee Energy Efficiency (Me2) - Revolving Loan Program

Last DSIRE Review: 03/18/2011

Program Overview:

| | |
|-----------------------------------|---|
| State: | Wisconsin |
| Incentive Type: | Local Loan Program |
| Eligible Efficiency Technologies: | Yes; specific technologies not identified |
| Applicable Sectors: | Residential, Multi-Family Residential |
| Amount: | \$1,000-\$15,000 |
| Maximum Incentive: | \$15,000 |
| Terms: | Unsecured loan Up to 15 years amortization Variable interest rate |
| Funding Source: | American Recovery and Reinvestment Act of 2009 (ARRA) and BetterBuildings |
| Program Budget: | \$42,000,000 |
| Start Date: | 2011 |
| Web Site: | http://www.smartenergypays.com/ |

Summary:

Milwaukee Energy Efficiency is a revolving loan program for residential energy efficiency improvements. Loans are available for owner-occupied single family residences or owner-occupied multi-family residences of up to three units. Property must be located within the City of Milwaukee. To sign up for the program, interested residents should use the sign up form on the program web site.

Contact:

Local Option - Energy-Efficiency Improvement Loans

Last DSIRE Review: 09/02/2010

Program Overview:

| | |
|--|--------------------------------------|
| State: | Wisconsin |
| Incentive Type: | PACE Financing |
| Eligible Efficiency Technologies: | Locally determined |
| Eligible Renewable/Other Technologies: | Locally determined |
| Applicable Sectors: | Commercial, Industrial, Residential |
| Terms: | Locally determined |
| Authority 1: | Wis. Stat. § 66.0627 |
| Date Enacted: | 05/15/2009 |
| Date Effective: | 05/18/2009 (as amended) |
| Authority 2: | S.B. 624 |
| Date Enacted: | 05/10/2010 |
| Date Effective: | 05/25/2010 |

Summary:

Note: The Federal Housing Financing Agency (FHFA) issued a [statement](#) in July 2010 concerning the senior lien status associated with most PACE programs. In response to the FHFA statement, most local PACE programs have been suspended until further clarification is provided.

Property-Assessed Clean Energy (PACE) financing effectively allows property owners to borrow money to pay for energy improvements. The amount borrowed is typically repaid via a special assessment on the property over a period of years. Wisconsin has authorized certain local governments to establish such programs, as described below. (Not all local governments in Wisconsin offer PACE financing; contact your local government to find out if it has established a PACE financing program.)

Wisconsin enacted legislation ([A.B. 255](#)) in May 2009 that amended local governments' existing authority to impose "special charges" for certain services. Originally, local governments were authorized to create programs that charge its citizens for "services," such as snow/ice removal, garbage collection, recycling, weed control, among others. A.B. 255 added energy efficiency improvements -- including renewable energy devices -- to the list. Furthermore, the legislation authorizes local governments to make a loan to property owners for energy efficiency and/or renewable energy improvements. In May 2010 S.B. 624 added water efficiency measures to the list of eligible improvements.

The original legislation limited such loans to residential premises, but the law was expanded by S.B. 624 to include commercial and industrial properties. The repayments are considered a "special charge" and may be collected in installments. Responsibility for the charge may be passed on to the next owner of the property if it is not completely repaid by the time of sale. S.B. 624 also introduced an option for municipalities to enter agreements with property owners (or lessees) where the owner pursues private financing arrangements, but the municipality acts as the payment collector using the special charge described above. Each local government that chooses to offer a PACE financing program must determine the eligible energy efficiency or renewable energy technologies, identify a funding source, develop the terms of the loan, and program specifics.

As of June 2010, local PACE programs had been launched by three local governments, as follows:

- Milwaukee - Milwaukee Shines Solar Loan Program (this has since been suspended).
- River Falls Municipal utilities - [Save Some Green Renewable Energy Finance Program](#)
- Racine - [Retrofit Racine Energy Efficiency Program](#)

River Falls Municipal Utilities - Renewable Energy Finance Program

Last DSIRE Review: 01/04/2011

Program Overview:

| | |
|--|--|
| State: | Wisconsin |
| Incentive Type: | PACE Financing |
| Eligible Efficiency Technologies: | Custom/Others pending approval, Must be in connection with an eligible renewable energy project |
| Eligible Renewable/Other Technologies: | Solar Water Heat, Solar Space Heat, Photovoltaics, Wind, Geothermal Heat Pumps |
| Applicable Sectors: | Residential |
| Terms: | Loan amounts from \$2,500 to \$50,000 per property; may provide up to 100% of project cost at 4% interest rate; terms from 5 - 20 years. |
| Web Site: | http://www.rfmu.org/environment/default.asp?C... |

Summary:

River Falls Municipal Utilities (RFMU) offers loans of \$2,500 - \$50,000 to its residential customers for the installation of photovoltaic (PV), solar thermal, geothermal, wind electric systems. The program will also support the installation of energy efficiency measures in connection with a qualifying renewable energy project, provided that the renewable energy portion of the project comprises at least 50% of project costs. Systems that generate renewable electricity must be connected to the RFMU distribution grid. Loan terms vary by project, but may range from 5 -20 years at a current interest rate of 4%. Actual loan terms will be determined by program personnel based on the payback period for the improvements. In order to qualify for a loan, the project energy savings associated with a project must be at least 75% of the cost of the project plus loan interest over the life of the loan. In addition, projects for which costs exceed 125% of the average cost of similar improvements (as determined by program personnel) are not eligible for loans.

In order to receive a loan through this program, the home must already qualify as a Wisconsin Energy Star Home, or the applicant must first have a Home Performance with Energy Star home energy assessment performed prior applying for a loan. For PV and wind electric systems, a site assessment by a Focus on Energy (the state incentive program) approved contractor is also

required, while an assessment is recommended for solar water heating projects. Systems must generally meet the requirements of the [Focus on Energy Renewable Energy Cash-Back Rewards Program](#) in order to qualify for a loan. Solar space heating and geothermal heating and cooling systems are not covered by the state program and thus are subject to separate standards. The program web site contains a detailed, step-by-step summary of the procedures a customer must follow in order to participate. Program pre-approval is required prior to the installation of any improvements.

The program is unique in that the repayment of loans takes place as a special fee on the customer's annual property tax bill (sometimes referred to as Property Assessed Clean Energy, or PACE financing) as authorized by Wis. Stat. § 66.0627 (click [here](#) for a summary of the enabling law). The applicant must own the property upon which the improvements take place. Should the original owner of the property transfer ownership to another party, the balance of the loan is due immediately on the date of sale. However, the new owner may instead request approval to assume the loan balance under the existing terms and conditions.

Contact:

Mike Noreen
River Falls Municipal Utilities
222 Lewis Street, Suite 228
River Falls, WI 54022
Phone: (715) 426-3467
Fax: (715) 425-7217
E-Mail: mnoreen@wppienergy.org
Web Site: <http://www.rfmu.org/>

Madison Gas & Electric - Clean Power Partner Solar Buyback Program

Last DSIRE Review: 04/08/2011

Program Overview:

State: Wisconsin

Incentive Type: Performance-Based Incentive

Eligible

Renewable/Other: Photovoltaics

Technologies:

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

Amount: \$0.25/kWh

Terms: Must be an MGE Green Power Tomorrow participant at a level at least equivalent to the AC output of the PV system; requires 10-year contract but

customers may opt-out with 30 days' written notice; other contractual and equipment requirements apply (see summary)

Eligible System Size: 1-10 kW DC

Equipment Requirements: Must be installed with meters to measure solar electricity generated and electricity used

Ownership of Renewable Energy Credits: Madison Gas & Electric

Start Date: 03/06/2007 (systems installed prior to this date do not qualify)

Web Site: <http://www.mge.com/home/rates/cleanpower.htm>

Summary:

Customer-generators enrolled in the Madison Gas & Electric (MGE) green power purchase program ([Green Power Tomorrow](#)) are eligible to receive a special rate for the power produced from solar photovoltaic (PV) systems. Under this program, the electricity produced from 1 to 10 kilowatt (kW-DC) PV systems will be purchased by MGE at a rate of \$0.25/kilowatt-hour (kWh). This rate will apply to all electricity produced by the system. As the program is limited to Green Power Tomorrow participants, customers will purchase electricity from the utility at the normal retail rate plus the green power premium (currently \$0.0125/kWh).

Annual green energy purchases must be at least as large as the AC output of the PV system. This arrangement requires that the customer have two electricity meters: one to measure electricity production and one to measure electricity consumption. MGE will provide the additional meter but the customer must pay for an electrician to supply and install a two-meter socket and any other modifications necessary for system function.

Only PV systems installed after March 6, 2007 are eligible for this program. The favorable purchase rate does not apply to other types of customer-owned renewable energy systems, however, such systems remain eligible for [net metering](#) provided they meet the state requirements. Participants must sign a 10-year contract with MGE but may opt-out with 30 days notice. Systems must be designed and installed to comply with Wisconsin [interconnection standards](#). Any renewable energy credits (RECs), emission allowances, or other environmental attributes generated by the system while the contract is in force will accrue to MGE rather than the customer-generator. The overall enrollment for this program is capped at 1,000 kW.

Further information on this program is available from the program website or through consultation with the utility.

Contact:

Jeff Ford
Madison Gas and Electric
P.O. Box 1231
Madison, WI 53701-1231

Phone: (608) 252-7387
Fax: (608) 252-7098
E-Mail: jford@mge.com
Web Site: <http://www.mge.com/>

River Falls Municipal Utilities - Distributed Solar Tariff

Last DSIRE Review: 06/04/2010

Program Overview:

State: Wisconsin
Incentive Type: Performance-Based Incentive
Eligible
Renewable/Other Technologies: Photovoltaics
Applicable Sectors: Commercial, Industrial, Residential, Nonprofit, Schools, Local Government, State Government, Fed. Government, Agricultural, Institutional
Amount: \$0.30/kWh
Terms: Buyback rate is available for 10 years; \$1/month metering charge
Eligible System Size: Up to 4 kW
Ownership of Renewable Energy Credits: WPPI Energy
Web Site: <http://www.rfmu.org/environment/default.asp?C...>
Authority 1: [Solar Renewable Generation Distributed Generation Tariff](#)
Date Enacted: 01/30/2009

Summary:

Note: As of June 4, 2010 this program is fully subscribed. However, the utility is currently seeking authorization to expand the program to accept additional applications. Further information will be posted as it becomes available and prospective applicants may contact the utility for status updates.

River Falls Municipal Utilities (RFMU), a member of WPPI Energy, offers a special energy purchase rate to its customers that generate electricity using solar photovoltaic (PV) systems. The special rate, \$0.30/kilowatt-hour (kWh), is available to all the RFMU customers on a first-come, first-served basis for systems up to 4 kilowatts (kW) up to an overall program cap of 10 kW DC. The RFMU program is part of a larger solar buyback program being offered by WPPI to its member utilities, which has a total program limit of 300 kW. Thus far it appears that RFMU is the only WPPI member utility to offer a solar buyback tariff. The 10 kW program cap may be increased to up to 30 kW if sufficient capacity is available under the parent WPPI Energy program.

It is important to note that this is not a net metering arrangement. Instead, the customer continues to pay their normal retail rate for electricity that they purchase from the utility. All of the energy generated by the customer's PV system is metered separately and exported directly to the grid. The \$0.30/kWh incentive is applied to all of the energy the system produces for a period of 10 years, under a written contract with the RFMU. The customer receives payment as a monthly credit on their electricity bill. RFMU then resells the energy to WPPI Energy.

This arrangement requires the installation of a second generation meter at the customer's expense. Participants are also charged an additional metering fee of \$1.00/month. Systems and components are required to comply with all applicable national, state, and local electric codes, rules, and regulations, including the State of Wisconsin's [Standard Interconnection Rules](#). WPPI Energy takes title to all renewable energy credits (RECs) or other environmental attributes produced by systems enrolled in the program.

Prospective participants can visit the program website or use the contact information below for more information on this program.

Contact:

Customer Service - RFMU
River Falls Municipal Utilities
222 Lewis Street, Suite 228
River Falls, WI 54022
Phone: (715) 425-0906
Fax: (715) 425-7217
E-Mail: RFMU@wppienergy.org
Web Site: <http://www.rfmu.org/>

We Energies - Biogas Buy-Back Rate

Last DSIRE Review: 01/13/2011

Program Overview:

| | |
|--|--|
| State: | Wisconsin |
| Incentive Type: | Performance-Based Incentive |
| Eligible Renewable/Other Technologies: | Biomass, Anaerobic Digestion |
| Applicable Sectors: | Commercial, Industrial, Residential, Nonprofit, Schools, Local Government, Agricultural, Institutional |
| Amount: | \$0.155 per kilowatt-hour (15.5¢/kWh) for on-peak generation \$0.0614 per kilowatt-hour (6.14¢/kWh) for off-peak generation |

| | |
|--|---|
| Terms: | Contract of up to 15 years |
| Eligible System Size: | Available to systems up to 2 MW in capacity Maximum aggregate capacity limit of 10 MW |
| Ownership of Renewable Energy Credits: | We Energies |
| Expiration Date: | 12/31/2011 |
| Web Site: | http://www.we-energies.com/business_new/alten... |
| Authority 1: | |
| Expiration Date: | 12/31/2011 |

Summary:

We Energies, an investor-owned utility serving portions of Wisconsin and Michigan, offers to purchase electricity and associated renewable energy credits generated by anaerobic digesters owned by its Wisconsin customers. Anaerobic digesters may use animal waste from farm operations, waste from industrial food processes, or waste from municipal wastewater-treatment facilities.

Under a 15-year contract,* eligible customers will receive:

- \$0.155 per kilowatt-hour (15.5¢/kWh) for electricity generated on-peak
- \$0.0614 per kilowatt-hour (6.14¢/kWh) for electricity generated off-peak
- On-peak is defined as the period from 9 AM to 9 PM on Monday through Friday

The program is limited to systems up to 2 megawatt (MW) in capacity and has a total aggregate limit of 10 megawatts (MW). Systems larger than 2 MW may elect to negotiate a facility specific buy-back rate through a specially negotiated contract. The tariff was approved by the Public Service Commission of Wisconsin (PSC) in January 2006 and took effect shortly afterward. The tariff is scheduled to expire on December 31, 2011 or whenever the total aggregate capacity limit is reached.

Technical Qualifications

The customer is responsible for costs associated with the installation of a second meter to measure system output. While this is not a net metering arrangement, payments to the customer from the utility may be integrated into the customer's existing bill. During months where customer energy production exceeds consumption, a credit is applied to the customer's utility bill equal to the net excess dollars. The customer will receive a check whenever the credit exceeds \$25. Participating customers must comply with applicable national, state and local electrical codes, rules and regulations; the electric service rules and regulations of We Energies; the requirements of Wisconsin Administrative Code Chapter PSC 119; the state's Distributed Generation Interconnection Agreement. Utility energy purchases made under this tariff include all renewable energy credits (RECs) and other environmental attributes associated with the electricity being purchased.

** Customers have the option of remaining on the tariff for up to 15 years. Participating customers with anaerobic digesters may opt out of a contract, but We Energies may not opt out.*

Contact:

Program Information - Customer Generation
We Energies
Attn: Jason Kollwelter
231 W. Michigan St., P-318
Milwaukee, WI 53202
Phone: (800) 714-7777 Ext.7700
E-Mail: Jason.Kollwelter@we-energies.com
Web Site: <http://www.we-energies.com>

Xcel Energy - Renewable Energy Buy-Back Rates

Last DSIRE Review: 03/28/2011

Program Overview:

State: Wisconsin

Incentive Type: Performance-Based Incentive

Eligible Renewable/Other Technologies: Wind, Biomass, Geothermal Electric, Anaerobic Digestion, Small Hydroelectric, Tidal Energy, Wave Energy, Fuel Cells using Renewable Fuels

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

Amount: Wind: \$0.066/kWh (6.6¢/kWh)
Biogas/Biomass: \$0.073/kWh (7.3¢/kWh)
Others: Negotiated on case-by-case basis

Maximum Incentive: None specified

Terms: 10-year contract period
Minimum: 20 kW
Maximum: 800 kW for biomass/biogas; 1 MW for other technologies

Eligible System Size: Aggregate capacity limit of 0.25% retail sales for previous year (total for all technologies)

Ownership of Renewable Energy Credits: Xcel Energy

Start Date: 01/09/2008

Authority 1: [Advanced Renewable Energy Purchase Tariff](#)

Date Effective: 01/09/2008

Summary:

Xcel Energy, an investor-owned utility offering services in eight states, will purchase 100% of the electricity and associated renewable energy credits (RECs) generated by its Wisconsin

customers using qualifying renewable energy systems. The purchase will take the form of a 10-year, fixed rate contract between the customer and the utility. Distributed generation systems must use a renewable resource and have an initial placed in service date of no earlier than January 1, 2008*. Renewable resources are defined as all resources eligible under the [Wisconsin RPS](#) (Wis. Stat. § 196.378(1)(h)), except refuse-derived fuels. This definition includes wind, solar photovoltaic (PV), solar thermal electric, biomass, biogas, fuel cells using renewable fuels, geothermal electric, tidal, wave, and small hydroelectric systems; however, Xcel Energy does not currently offer contracts for photovoltaics.

Predetermined purchase prices have been set for wind systems (\$0.0660/kWh) and biomass/biogas systems (\$0.073/kWh), while rates for other technologies will be negotiated on a case-by-case basis between the utility and the customer generator. The minimum system size is 20 kilowatts (kW), meaning that this program is available for systems too large to be eligible for [net metering](#) in Wisconsin. The maximum size is 800 kW for biomass/biogas systems and 1 MW for all other technologies. All systems must meet the state [interconnection requirements](#) and be connected to the grid at a voltage of 50 kV or less.

The customer is responsible for the installation of a separate electric meter and all other associated equipment and installation costs. The tariff also contains monthly metering charges ranging from \$6.50 to \$15.10 per month for different sized systems. The program, which is described as "experimental" by Xcel Energy, will remain open until aggregate subscriptions account for 0.25% of previous year retail sales.

**Note: The attached tariff lists January 1, 2005 as the initial placed in-service date; however this has been confirmed as an error with Xcel Energy personnel.*

Contact:

David Donovan
Xcel Energy Services
Regulatory Policy
10 East Doty, Suite 511
Madison , WI 53703
Phone: (608) 280-7308
Fax: (715) 839-2602
E-Mail: david.d.donovan@xcelenergy.com

Woody Biomass Harvesting and Processing Tax Credit (Personal)

Last DSIRE Review: 04/08/2011

Program Overview:

State: Wisconsin

| | |
|--|--|
| Incentive Type: | Personal Tax Credit |
| Eligible Renewable/Other Technologies: | Biomass |
| Applicable Sectors: | Commercial, Agricultural |
| Amount: | 10% of the cost of eligible equipment |
| Maximum Incentive: | \$100,000 per claimant; total credits granted may not exceed \$900,000 per fiscal year |
| Installation Requirements: | Equipment must be used primarily to harvest or process woody biomass that is used as a fuel or as a component of fuel. |
| Carryover Provisions: | No carry-over; excess in a given year is refunded to taxpayer |
| Start Date: | 01/01/2010 |
| Expiration Date: | 12/31/2015 |
| Authority 1: | A.B. 749 |
| Date Enacted: | 05/10/2010 |
| Date Effective: | 05/25/2010 |

Summary:

In May 2010 Wisconsin enacted legislation allow taxpayers to claim a tax credit from income or franchise taxes of 10% of the cost of equipment primarily used to harvest or process woody biomass for use as a fuel or as a component of fuel. The adopted law creates identical tax credits in the portions of the Wisconsin tax code relating to income taxes on individuals (§71.07), income and franchise taxes on corporations (§71.28), and income and franchise taxes on insurance companies (§71.47). Woody biomass is defined as "...trees and woody plants, including limbs, tops, needles, leaves, and other woody parts, grown in a forest or woodland or on agricultural land." For equipment use to be considered "primarily" for an eligible purpose, other uses of the equipment are limited to no more than 25% of total use. The credit may not be claimed for any business or trade expenses deducted by the taxpayer under 26 USC §162.

The credit will be available for 5 years, from January 1, 2010 to December 31, 2015. Allowable credits in excess of a claimant's tax liability for a given year will be refunded. Credits are limited to \$100,000 per claimant in aggregate, and \$900,000 in total each fiscal year. In addition the Department of Commerce is required to allocate \$450,000 in tax credits each fiscal year to businesses that individually have no more than \$5 million in gross receipts in Wisconsin for the taxable year in which the credit is claimed. Taxpayers will need to be certified by the Wisconsin Department of Commerce (DOC) in order to claim the tax credit. The DOC, in cooperation with the Department of Revenue, is required to develop regulations to implement the law. Forms and instructions for claiming the tax credit are available at the [Department of Revenue web site](#).

Contact:

Income Tax Contact
Wisconsin Department of Revenue
Phone: (608) 266-2772
Web Site: <http://www.revenue.wi.gov/contact/index.html>

Solar and Wind Energy Equipment Exemption

Last DSIRE Review: 09/28/2010

Program Overview:

State: Wisconsin
Incentive Type: Property Tax Incentive
Eligible Renewable/Other Technologies: Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Photovoltaics, Wind, Solar Pool Heating
Applicable Sectors: Commercial, Industrial, Residential
Amount: Varies
Maximum Incentive: None
Web Site: <http://www.revenue.wi.gov/forms/govexmpt/pr-3...>
Authority 1: [Wis. Stat. § 70.111\(18\)](#)

Summary:

In Wisconsin, any value added by a solar-energy system or a wind-energy system is exempt from general property taxes. A solar-energy system is defined as "equipment which directly converts and then transfers or stores solar energy into usable forms of thermal or electrical energy, but does not include equipment or components that would be present as part of a conventional energy system or a system that operates without mechanical means." A wind-energy system is defined as "equipment which converts and then transfers or stores energy from the wind into usable forms of energy, but does not include equipment or components that would be present as part of a conventional energy system." Passive solar design elements do not qualify under these rules. The exemption applies regardless of whether the equipment is deemed real property or personal property. In order to qualify for the exemption, property owners must file a request for the exemption with their local assessor by March 1st following the January 1st assessment date for which the exemption is claimed.

Contact:

Information Officer
Wisconsin Department of Revenue
Bureau of Assessment Practices
PO Box 8971, MS 6-97
Madison, WI 53708-8971
Phone: (608) 266-7750
Fax: (608) 267-0835
E-Mail: bapdor@revenue.wi.gov
Web Site: <http://www.revenue.wi.gov/index.html>

Renewable Energy Sales Tax Exemptions

Last DSIRE Review: 08/23/2010

Program Overview:

| | |
|--|---|
| State: | Wisconsin |
| Incentive Type: | Sales Tax Incentive |
| Eligible Renewable/Other Technologies: | Solar Water Heat, Solar Space Heat, Solar Thermal Process Heat, Photovoltaics, Landfill Gas, Wind, Biomass, Solar Pool Heating, Anaerobic Digestion |
| Applicable Sectors: | Commercial, Industrial, Residential, General Public/Consumer |
| Amount: | 100% exemption from sales and use tax for eligible purchases |
| Maximum Incentive: | None |
| Equipment Requirements: | Solar, wind, and anaerobic digesters must be capable of producing at least 200 watts of alternating current or 600 British thermal units per day |
| Start Date: | 1979 (certain biomass); 07/01/2011 (solar, wind, and anaerobic digesters) |
| Authority 1: | Wis. Stat. § 77.54(30) |
| Date Effective: | 1979 (subsequently amended) |
| Authority 2: | Wis. Stat. § 77.54(56) |
| Date Enacted: | 10/26/2007 (subsequently amended) |
| Date Effective: | 07/01/2011 |
| Authority 3: | Wis. Stat. § 196.378(1)(ar) |

Summary:

Note: Be aware that the exemption for solar, wind, and anaerobic digester systems, originally written to take effect July 1, 2009, has been amended by subsequent legislation pushing the effective date back to July 1, 2011.

Wisconsin has two sales tax exemptions that apply to renewable energy. Legislation enacted in 1979 exempts wood sold as a fuel for residential use from the state sales and use tax (Wis. Stat. § 77.54(30)). Residential use means use in a structure or portion of a structure which is the person's permanent residence. A clause was added in 2007 expanding the exemption to include sales of all biomass -- as defined in Wis. Stat. § 196.378 (1) (ar) -- used as fuel for residential use. This definition includes wood, energy crops, biological wastes, biomass residues, and landfill gas.

The original Wis. Stat. § 77.54(30) was also amended in 1987 to exempt from the state sales and use tax gross receipts from the sale of qualifying biomass residues used as fuel for business activity. Qualifying residues are defined as arising from the "harvesting of timber or the production of wood products, including slash, sawdust, shavings, edgings, slabs, leaves, wood

chips, bark and wood pellets manufactured primarily from wood or primarily from wood residue."

Separately, legislation was enacted in 2007 (Wis. Stat. § 77.54(56)) to exempt wind, solar, and anaerobic digester systems from the sales and use tax, effective July 2009. However, in 2009 this section of code was amended ([2009 Act 28](#)) to push the effective date of the exemption back to July 1, 2011. In order to be considered an eligible product, devices must be capable of producing at least 200 watts of alternating current or 600 British thermal units per day. The exemption under *does not apply* to un-interruptible power sources that are designed primarily for computers. The law also exempts "receipts from the sale of and the storage, use, or other consumption of electricity or energy" produced by a qualifying system.

Generally, purchasers must complete [Form S-211, Sales and Use Tax Exemption Certificate](#) and provide the completed form to the seller in order to claim the sales tax exemption. Questions should be directed to the Wisconsin Department of Revenue.

Contact:

Public Assistance - Sales Tax
Wisconsin Department of Revenue
P.O. Box 8949
Madison , WI 53708-8949
Phone: (608) 266-2776
Fax: (608) 267-1030
E-Mail: sales10@revenue.wi.gov
Web Site: <http://www.revenue.wi.gov>

Focus on Energy - Renewable Energy Grant Programs

Last DSIRE Review: 02/07/2011

Program Overview:

| | |
|--|---|
| State: | Wisconsin |
| Incentive Type: | State Grant Program |
| Eligible Renewable/Other Technologies: | Photovoltaics, Wind, Biomass, Anaerobic Digestion |
| Applicable Sectors: | Commercial, Industrial, Nonprofit, Schools, Local Government, State Government, Tribal Government, Fed. Government, Agricultural, Institutional |
| Amount: | Varies by technology and estimated energy production |
| Maximum Incentive: | Competitive Grants: 30% of costs |

Total: \$500,000 aggregate for all Focus incentives to any individual or business during each program year (Jan. 1, 2011 - Dec. 31, 2011)

Equipment Requirements: A system performance meter with an uncertainty of no more than 5% must be included in electric generating systems
See solicitations for other requirements

Installation Requirements: Vary by technology employed

Funding Source: Focus On Energy Program

Expiration Date: Terms generally valid through 12/31/2011, exceptions (if any) noted in text

Web Site: <http://www.focusonenergy.com/Incentives/Busin...>

Summary:

Note: The Focus On Energy program occasionally issues limited time offer RFPs for projects that are not covered under their regular programs. As of this posting, no RFP is currently available. Because the time frame behind these special opportunities is typically short, please search by technology within the web link provided above to see if a competitive grant offer is currently available.

Wisconsin Focus on Energy offers a competitive grant to support the deployment of large renewable energy projects. Grant recipients and projects must be located in a participating electric or gas utility's service territory and must result in electricity or natural gas savings (i.e., projects replacing LP gas, coal, or oil are not eligible). The program website above contains an interactive tool to assist people in determining their eligibility for different programs.

Special Opportunities

As of February 2011 no special opportunity grants were being offered by Focus On Energy.

Focus on Energy works with eligible Wisconsin residents and businesses to install cost effective energy efficiency and renewable energy projects. Focus information, resources and financial incentives help to implement projects that otherwise would not be completed, or to complete projects sooner than scheduled. Its efforts help Wisconsin residents and businesses manage rising energy costs, promote in-state economic development, protect our environment and control the state's growing demand for electricity and natural gas. Click [here](#) for more details on the overall funding structure of Focus on Energy.

Contact:

Focus On Energy - Renewable Energy Program
431 Charmany Drive
Madison, WI 53719
Phone: (800) 762-7077
Fax: (608) 249-0339
E-Mail: renewableapplications@focusonenergy.com
Web Site: <http://www.focusonenergy.com>

Focus on Energy - Home Performance & Efficient Heating and Cooling Loan Program

Last DSIRE Review: 02/07/2011

Program Overview:

State: Wisconsin

Incentive Type: State Loan Program

Eligible Efficiency Technologies: Water Heaters, Furnaces , Boilers, Heat pumps, Central Air conditioners, Programmable Thermostats, Duct/Air sealing, Building Insulation, Home Assessments, Chimney Liner, Spot Ventilation

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Residential

Amount: Up to 100% of installation costs from \$2,500 - \$10,000

Maximum Incentive: \$10,000

Terms: Unsecured loans with fixed interest rate of 9.99% for terms of 3, 5, 7, or 10 years

Funding Source: Focus On Energy

Web Site: <http://www.energyfinancesolutions.com/main/ho...>

Summary:

The Wisconsin Focus On Energy program has partnered with Energy Finance Solutions to offer low-interest loans for qualifying Home Performance with Energy Star and Efficient Heating and Cooling improvements. The program offers unsecured loans of \$2,500 to \$10,000 with a fixed interest rate of 9.99% with loan terms of 3, 5, 7, or 10 years. Loans are available to finance heating and cooling systems including certain furnaces, boilers, central air-conditioners, and heat pumps (air- and ground-source) as well as water heaters, building insulation, air sealing, and other measures. Participants that install Home Performance measures must first have a home assessment performed by a certified Home Performance consultant in order to qualify for this program. In addition, all improvements must meet minimum efficiency standards and installations must be performed by a program-approved contractor.

This program is only available for owner-occupied single-family and duplex homes. Customers that participate in this program are not eligible to receive incentives through the [Focus On Energy Heating and Cooling Cash-Back Rewards Program](#). In addition, customer eligibility is determined by the customer's electric and gas provider. The Focus on Energy website has an [Eligibility Tool](#) to help customers determine the programs for which they are eligible. Loans under this program involve no fees, points, or closing costs and there is no penalty for prepayment.

Certain other related improvements may be bundled with eligible improvements for total loans of

up to \$20,000. In these cases, the portion of the loan attributable to ineligible measures can be financed at the market rate to arrive at a blended rate for the total loan. Eligible energy efficiency measures in excess of the \$10,000 limit may also be financed in this way.

Information on the requirements and process for becoming an approved contractor is available on the program web site.

Contact:

Program Information - Energy Finance Solutions Loans
Focus on Energy
431 Charmany Drive
Madison, WI 53719
Phone: (800) 583-5869
Fax: (608) 249-5788
E-Mail: efs@energyfinancesolutions.com
Web Site: <http://www.focusonenergy.com>

Focus on Energy - Home Performance with Energy Star Loan Program (WPS Customers Only)

Last DSIRE Review: 02/02/2011

Program Overview:

State: Wisconsin
Incentive Type: State Loan Program
Eligible Technologies: Refrigerators, Lighting, Furnaces, Boilers, Heat pumps, Central Air conditioners, Duct/Air sealing, Building Insulation, Custom/Others pending approval, Others
Applicable Sectors: Residential
Amount: \$2,500-\$10,000 loan
\$250 Cash-Back Reward
Maximum Incentive: \$10,000
Terms: 3.5% annual rate (rates subject to change)
No fees, points, or closing costs
Eligible measures/equipment determined by auditor recommendations
Web Site: <http://www.focusonenergy.com/General/wps/ener...>

Summary:

Through the Home Performance with Energy Star program, Focus on Energy has teamed up with Wisconsin Public Service (WPS) to offer extra incentives for WPS customers who receive Home

Performance with Energy Star evaluations. Customers must complete at least three of the improvements recommended by the auditor in order to be eligible for their choice of Double Rewards or Low-Interest Financing.

Customers who choose Low-Interest Financing can receive a loan with a 3.5% annual interest rate (rates are subject to change). Loans range from \$2,500 to \$10,000 and have no fees, points, or closing costs. Customers who choose this option also receive \$250 in cash. More information about the Double Rewards option can be found [here](#).

Energy consultants inspect home energy systems, help identify the most effective measures for increasing home efficiency, and, and assist participants applying for Cash-Back Rewards for the measures adopted. The cost of the energy evaluation and incentive amounts vary by case and by auditor recommendations.

Focus on Energy also offers Cash-Back Rewards on [efficient heating and cooling](#) equipment and on other selected [energy efficient products](#).

Contact:

Focus on Energy
431 Charmany Dr.
Madison, WI 53719
Phone: (800) 762-7077
Fax: (608) 249-0339
E-Mail: focusinfo@focusonenergy.com
Web Site: <http://www.focusonenergy.com>

Focus on Energy - Commercial/Industrial Buildings Multi-Project Bonus (WPS Customers Only)

Last DSIRE Review: 02/02/2011

Program Overview:

State: Wisconsin
Incentive Type: State Rebate Program
Eligible Efficiency Technologies: Dishwasher, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers , Furnaces , Boilers, Heat pumps, Central Air conditioners, Heat recovery, Steam-system upgrades, Compressed air, Programmable Thermostats, Energy Mgmt. Systems/Building Controls, Motor VFDs, Processing and Manufacturing Equipment, Agricultural Equipment, Comprehensive Measures/Whole Building, Custom/Others pending approval
Eligible Renewable/Other Technologies: Geothermal Heat Pumps, Daylighting

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

Amount: 2 unrelated projects: 25% bonus
3 unrelated projects: 50% bonus
4 unrelated projects: 75% bonus
5 unrelated projects: 100%

Maximum Incentive: 75% of project cost or \$25,000

Equipment Requirements: Must meet Focus on Energy's standards for energy efficiency

Expiration Date: December 31, 2011

Web Site: <http://www.focusonenergy.com/General/wps/bund...>

Summary:

Focus on Energy and Wisconsin Public Service (WPS) has teamed up to offer bonuses for facilities installing energy efficiency or renewable energy projects.

The Focus program offers financial incentives to eligible business customers* who install many types of qualifying energy efficient equipment. The program offers both prescriptive incentives for a variety of specific improvements and custom incentives for improvements that do not fall under any of the prescriptive listings. More information on the standard Focus incentives is located [here](#). WPS customers are eligible for additional bonuses on top of the Focus standard incentives.

- Customers who install 2 unrelated projects earn a 25% bonus
- Customers who install 3 unrelated projects earn a 50% bonus
- Customers who install 4 unrelated projects earn a 75% bonus
- Customers who install 5 unrelated projects earn a 100% bonus

The program website provides an explanation of the term "unrelated projects." In order to collect bonus incentives, customers should fill out the [bonus incentive application](#) and attach it to the appropriate [standard incentive application](#). Applications must be turned in to Focus by December 31, 2011.

***The Farm Multi-Project Bonus and the Multi-Family Building Bonus is no longer available beginning in 2011. Agribusinesses and multi-family buildings are now eligible for this Multi-Project Bonus.**

Contact:

Program Information - Focus on Energy Business Programs
431 Charmany Drive
Madison, WI 53719
Phone: (800) 762-7077

Fax: (608) 237-2147
E-Mail: bpforms@weccusa.org
Web Site: <http://www.focusonenergy.com/>

Focus on Energy - Commercial/Industrial Efficiency in Existing Buildings

Last DSIRE Review: 02/01/2011

Program Overview:

State: Wisconsin

Incentive Type: State Rebate Program

Eligible Efficiency Technologies: Dishwasher, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers, Furnaces, Boilers, Heat pumps, Central Air conditioners, Heat recovery, Steam-system upgrades, Compressed air, Programmable Thermostats, Energy Mgmt. Systems/Building Controls, Motor VFDs, Processing and Manufacturing Equipment, Agricultural Equipment, Comprehensive Measures/Whole Building, Custom/Others pending approval, Vending Machine Controls, Commercial Cooking Equipment, Commercial Refrigeration Equipment, Personal Computing Equipment, Data Center Equipment, Food Service Equipment

Eligible Renewable/Other Technologies: Geothermal Heat Pumps, Daylighting

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

Amount: Prescriptive: Varies by equipment type
Custom: \$0.03 - \$0.045 per kWh; \$100 - \$150 per kW; \$0.30 - \$0.45 per therm

Maximum Incentive: Prescriptive: Varies by equipment type
Custom: \$250,000 per project
Total: \$250,000 per project and \$500,000 for all FOE programs per customer per year

Equipment Requirements: Must meet Focus on Energy's standards for energy efficiency

Funding Source: Focus On Energy Program

Expiration Date: 6/30/2011 (current applications)

Web Site: <http://www.focusonenergy.com/Incentives/Busin...>

Summary:

Note: Focus On Energy occasionally issues limited time offers for "bonus" incentives for certain technologies and energy efficiency improvements. As these extra incentives typically

have a very short duration, they will most often not be listed in this program summary. The program web site has information on all currently available bonus incentives.

Focus on Energy offers financial incentives to eligible business customers who install many types of qualifying energy efficient equipment. The program offers both prescriptive incentives for a variety of specific improvements and custom incentives for improvements that do not fall under any of the prescriptive listings. Prescriptive measures generally apply on to existing buildings; new construction projects are addressed in a separate category. In order to receive awards participants must be a customer of a participating electric or gas utility (i.e., participating gas utility for gas incentives and participating electric utility for electricity incentives).

Below is a list of equipment categories for which prescriptive incentives are available, with short descriptions of some eligible technologies. Interested parties should see the program web site for incentive amounts and more detailed qualifying criteria.

- **Agribusiness:** Dairy and livestock, lighting, greenhouses, irrigation systems.
- **Commercial Refrigeration:** Various types of related equipment, including fan motors, heater controls, occupancy sensors, beverage coolers, and climate controls.
- **Compressed Air System Audit and Leak Survey Incentive:** Audits, leak surveys, air compressors equipped with variable speed drives.
- **Food Service Incentives:** Various Energy Star and other qualifying food service equipment, ice machines, and commercial dishwashers.
- **Industrial:** Repulper rotors and extraction plates, pressure screen rotors, pump system studies for pulp and paper, radiant heater tubes, and radiant heater bands for plastic.
- **Information Systems:** Server virtualization, PC network controls, thin client conversion.
- **HVAC:** Boilers, furnaces, heat pumps, equipment controls, energy recovery ventilators, chillers, and certain equipment service buydowns.
- **Lighting Incentives:** Qualifying lighting fixtures, lamps, occupancy sensors, etc. Whole building lighting for schools and government facilities.
- **Specialty Measure Incentives:** Specific measures such as guest room energy management controls, vending machines, water heaters, and truck loading dock equipment.
- **Variable Frequency Drive Incentives:** VFD retrofits in various applications.
- **Whole Building Systems:** Building tune-up, retro-commissioning, whole-building lighting for schools and government facilities.
- **Competitive Incentives:** Vary, current offering for compressed air studies.

Custom incentives are available for measures not covered by prescriptive incentives. To obtain custom incentives, interested applicants must work with a Focus on Energy adviser to obtain pre-approval for projects prior to purchasing and installing the equipment. The program web site contains a general list of [eligible custom improvements](#) broken down by economic sector. All equipment must be new, and existing equipment must be removed (and preferably recycled.) Projects with less than a one-and-a-half-year payback are not eligible, and projects with payback of 10 years or longer may be subject to case-by-case eligibility determinations.

Custom electricity incentives are calculated based on first-year energy savings as follows:

- \$0.03/kilowatt-hour and \$100/peak kilowatt for electric savings for Tier 1* technologies
- \$0.045/kilowatt-hour and \$150/peak kilowatt for Tier 2* technologies

Custom heating incentive levels are also calculated based on first-year energy savings:

- \$0.30/therm for Tier 1* technologies
- \$0.45/therm for Tier 2* technologies

Custom incentives are limited to \$250,000 per project, and may cover no more than 30% of the project costs. Overall, an individual customer is limited to \$500,000 in incentives during any program year.

**For definitions of Tier 1 and Tier 2 technologies and projects, see the program web site.*

Small business customers of the Wisconsin Public Service may also be eligible for a [free small industrial energy assessment](#).

Contact:

Program Information - Focus on Energy Business Programs
 431 Charmany Drive
 Madison, WI 53719
 Phone: (800) 762-7077
 Fax: (608) 237-2147
 E-Mail: bpforms@weccusa.org
 Web Site: <http://www.focusonenergy.com/>

Focus on Energy - Commercial/Industrial Efficiency in New Construction

Last DSIRE Review: 02/02/2011

Program Overview:

| | |
|-----------------------------------|--|
| State: | Wisconsin |
| Incentive Type: | State Rebate Program |
| Eligible Efficiency Technologies: | Dishwasher, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers , Furnaces , Boilers, Heat pumps, Central Air conditioners, Heat recovery, Motors, Motor VFDs, Comprehensive Measures/Whole Building, Custom/Others pending approval, Vending Machine Controls, Commercial Cooking Equipment, Commercial Refrigeration Equipment, Data Center Equipment, Food Service Equipment |
| Eligible Renewable/Other: | Geothermal Heat Pumps, Daylighting |

Technologies:

Applicable Sectors: Commercial, Industrial, Nonprofit, Schools, Local Government, State Government, Tribal Government, Fed. Government, Institutional
Prescriptive: Varies by equipment type
Custom: Not specified
Amount: Whole Building Track: \$0.03 - \$0.045 per kWh; \$100 - \$150 per kW; \$0.30 - \$0.45 per therm
Maximum Incentive: \$250,000 per project; \$500,000 per customer per year for all Focus on Energy incentives
Equipment Requirements: All equipment must be new and meet minimum efficiency requirements
Funding Source: Focus on Energy
Expiration Date: 6/30/2011 (current application)
Web Site: <http://www.focusonenergy.com/Business/New-Bus...>

Summary:

The Focus on Energy program offers a combination of technical assistance and financial incentives (design incentives, equipment rebates, and custom incentives) to support the construction of energy efficient commercial and industrial buildings. Incentives are available for the construction of a new facility; add-ons to existing facilities; and major renovations/gut rehabs. The program offers two separate tracks for participation: the systems track and the whole building track.

Under the systems track incentives are available for individual system and process improvements. These incentives take the form of fixed prescriptive incentives for specific equipment types that meet certain minimum energy efficiency standards, and custom incentives based on the estimated energy savings compared to a baseline building. Custom incentives for electricity and natural gas savings are broken down into two tiers based on the number of measure categories that are implemented. Prescriptive incentive applications of less than \$25,000 do not require pre-approval. All larger prescriptive incentive requests and custom incentive requests require pre-approval from program personnel. This track is most appropriate for situations where the focus is on a particular system or piece of equipment, or where design work has already been completed but the building owner wishes to substitute the originally specified equipment with higher efficiency equipment.

Under the whole building incentive track, projects in the early design phase can qualify for incentives based on the percentage of energy cost improvement that a newly constructed building achieves over a standard reference building. In this track the design team and building owner work with Focus personnel to determine what energy efficiency features should be included in the new building. Focus personnel will conduct a post-installation verification inspection to make sure that all of the features used to calculate the amount of energy savings are installed and operational. In order to obtain an incentive, the project must achieve an improvement of at least 10% from the baseline.

Focus on Energy works with eligible Wisconsin residents and businesses to install cost effective energy efficiency and renewable energy projects. Focus information, resources and financial

incentives help to implement projects that otherwise would not be completed, or to complete projects sooner than scheduled. Its efforts help Wisconsin residents and businesses manage rising energy costs, promote in-state economic development, protect our environment and control the state's growing demand for electricity and natural gas.

Please note that customer eligibility for Focus on Energy incentives is based on utility participation; interested individuals and companies should use the eligibility tool on the program web site to determine if their local utility participates in the Focus on Energy program. Further incentive details, applications, and other information are available at the program website.

Contact:

Program Information - Focus on Energy Business Programs
431 Charmany Drive
Madison, WI 53719
Phone: (800) 762-7077
Fax: (608) 237-2147
E-Mail: bpforms@weccusa.org
Web Site: <http://www.focusonenergy.com/>

Focus on Energy - Efficient Heating and Cooling Cash-Back Rewards

Last DSIRE Review: 02/02/2011

Program Overview:

| | |
|--|---|
| State: | Wisconsin |
| Incentive Type: | State Rebate Program |
| Eligible Efficiency Technologies: | Water Heaters, Furnaces , Boilers, Heat pumps, Central Air conditioners |
| Eligible Renewable/Other Technologies: | Geothermal Heat Pumps |
| Applicable Sectors: | Residential, Multi-Family Residential |
| Amount: | \$100 - \$400, varies by equipment type |
| Equipment Requirements: | Must meet Focus on Energy equipment specifications |
| Installation Requirements: | Equipment must be purchased and installed by a participating contractor |
| Funding Source: | Focus On Energy Program |
| Expiration Date: | 6/30/2011 (current program year) |
| Web Site: | http://www.focusonenergy.com/Incentives/Resid... |
| Summary: | |

The Focus on Energy Program offers “Cash-Back Rewards” to eligible residents for purchasing and installing furnaces, air conditioners, boilers, or other energy efficient heating and cooling equipment. Improvements must meet the program’s efficiency and equipment standards in order to be eligible for an award. Equipment should be installed prior to submitting an application and should come from the list of pre-qualified equipment listed on the program web site.

As of January 2011, incentives are as follows:

- Central AC, Air-Source Heat Pump, Ductless/Mini-Split System: \$100
- Ground source heat pump: \$250
- Furnace (gas, LP, or oil): \$150
- Boiler (gas): \$400
- Indirect Water Heater (installed on qualifying boiler): \$200
- Water Heater Fuel Conversion (electric to indirect water heater with qualifying boiler): \$250

Please refer to the program web site for additional information about equipment eligibility other restrictions. Customers that receive heating and cooling rewards are not eligible for financing assistance through Energy Finance Solutions.

Note that customer eligibility for Focus on Energy incentives is based on utility participation; interested individuals and companies should use the eligibility tool on the program web site to determine if their local utility is participating in the Focus on Energy program.

Contact:

Focus on Energy
431 Charmany Dr.
Madison, WI 53719
Phone: (800) 762-7077
Fax: (608) 249-0339
E-Mail: focusinfo@focusonenergy.com
Web Site: <http://www.focusonenergy.com>

Focus on Energy - Efficient Heating and Cooling Cash-Back Rewards (WPS Customers Only)

Last DSIRE Review: 02/02/2011

Program Overview:

State: Wisconsin
Incentive Type: State Rebate Program
Eligible Efficiency: Furnaces , Boilers

Technologies:

Applicable Sectors: Residential, Multi-Family Residential, (WPS Electric and Gas Customers Only)

Amount: Gas Furnaces: \$250
Natural Gas Hot-Water Boiler: \$200

Equipment Requirements: **Gas Furnace (natural gas, LP/propane, or oil):** 90% AFUE or greater; variable-speed motor/ECM; multiple stages of firing
Natural Gas Hot-Water Boiler:90% AFUE or greater; modulating burner; outdoor-air reset control

Installation Requirements: Equipment must be purchased and installed by a participating contractor

Start Date: 01/01/2010

Expiration Date: 12/31/2010

Web Site: <http://www.focusonenergy.com/General/wps/heat...>

Summary:

The bonus incentive for Wisconsin Public Service customers has expired. Customers who installed equipment before January 1, 2011 have until March 31, 2011 to mail in applications.

Focus on Energy and Wisconsin Public Service are cooperating to offer residential customers bonus incentives to install high-efficiency furnaces and burners. Focus on Energy offers \$150 for Gas Furnaces and \$400 for Natural Gas Hot-Water Boilers. Residents serviced by Wisconsin Public Service may collect an additional \$250 for Gas Furnaces and an additional \$200 for Natural Gas Hot-Water Boilers.

In order to claim a rebate, residents must contact a [participating contractor](#) and have equipment installed prior to submitting an application. Information regarding the corresponding Focus on Energy Cash-Back Reward program can be found [here](#).

Contact:

Focus on Energy
431 Charmany Dr.
Madison, WI 53719
Phone: (800) 762-7077
Fax: (608) 249-0339
E-Mail: focusinfo@focusonenergy.com
Web Site: <http://www.focusonenergy.com>

Focus on Energy - Energy-Efficient Products Cash-Back Rewards

Last DSIRE Review: 02/02/2011

Program Overview:

| | |
|-----------------------------------|--|
| State: | Wisconsin |
| Incentive Type: | State Rebate Program |
| Eligible Efficiency Technologies: | Water Heaters, Lighting |
| Applicable Sectors: | Residential, Multi-Family Residential |
| Amount: | Water Heaters: \$50 - \$250 LED Fixtures: \$30 per unit Energy Star light fixtures: \$15 |
| Maximum Incentive: | Water Heaters: Limited by rebate amounts by type (see application for details) LED Fixtures: \$360 (12 fixtures per customer) CFLs: \$2 |
| Equipment Requirements: | Water heaters must meet minimum Energy Factor or thermal efficiency requirements. Only available for whole house units used for domestic water heating Lighting must be Energy Star qualified |
| Funding Source: | Focus On Energy Program |
| Expiration Date: | 6/30/2011 (current applications) |
| Web Site: | http://www.focusonenergy.com/Incentives/Resid... |

Summary:

Eligible Wisconsin consumers who purchase and install certain qualifying energy efficient appliances can receive incentives through the Focus on Energy program. Products must meet minimum efficiency standards in order to qualify for rebates. As of January 2011, Focus On Energy rebates are being offered for water heaters and certain lighting fixtures. Water heater incentives range from \$50 to \$250 depending on the type of water heater and its efficiency. Incentives for fuel conversion from electric to a power vented natural gas water heater may be combined with the incentive for an efficient power vented gas water heater. Builders may receive incentives for installations in newly constructed homes.

Lighting incentives are available for compact florescent light (CFL) bulbs, LED fixtures, and other Energy Star fixtures. Customers can receive \$30 per fixture for up to 12 qualified LED light fixtures. Customers may also receive up to \$2 per bulb for CFLs or \$15 for other Energy Star light fixtures, but coupons and buy downs vary throughout the year. [FinditwithFocus.com](http://www.finditwithfocus.com) has a list of retailers with current promotions.

Visit the program web site for additional details and reward forms.

Note that customer eligibility for Focus on Energy incentives is based on utility participation; interested individuals and companies should use the eligibility tool on the program website to determine if their local utility is participating in the Focus on Energy program.

Contact:

Focus on Energy
431 Charmany Dr.
Madison, WI 53719
Phone: (800) 762-7077
Fax: (608) 249-0339
E-Mail: focusinfo@focusonenergy.com
Web Site: <http://www.focusonenergy.com>

Focus on Energy - Home Performance with Energy Star

Last DSIRE Review: 02/02/2011

Program Overview:

State: Wisconsin
Incentive Type: State Rebate Program
Eligible Efficiency Technologies: Refrigerators, Water Heaters, Lighting, Furnaces , Boilers, Heat pumps, Central Air conditioners, Duct/Air sealing, Building Insulation, Custom/Others pending approval, Others
Applicable Sectors: Residential, Multi-Family Residential, Low-Income Residential
Amount: \$50-\$400 per improvement
Varies based on auditor recommendations
Equipment Requirements: Eligible measures/equipment determined by auditor recommendations
Funding Source: Focus On Energy Program
Expiration Date: 12/31/2011
Web Site: <http://www.focusonenergy.com/Residential/Home...>

Summary:

Through the Home Performance with Energy Star program, Focus on Energy offers in-home energy audits and cash incentives for installing select recommended efficiency measures. Energy consultants inspect home energy systems, help identify the most effective measures for increasing home efficiency, and assist participants applying for Cash-Back Rewards for the measures adopted. The cost of the energy evaluation and incentive amounts vary by case and by auditor recommendations.

Income eligible residents may participate in the Focus Targeted Home Performance with Energy Star Program. This program is separate from the standard Home Performance program described above which is available to all income classes. The targeted program begins with a free home energy evaluation. Based on the results of the evaluation, customers may then elect whether or not to proceed with making the recommended improvements. Those who proceed are responsible for only a small portion of the costs associated with the improvements. In order to receive this

favorable treatment, participants must follow all of the recommendations made during the evaluation. Click [here](#) for additional information on participating in this program.

Focus on Energy also offers Cash-Back Rewards on [efficient heating and cooling](#) equipment and on other selected [energy efficient products](#).

Please note that customer eligibility for Focus on Energy incentives is based on utility participation; interested individuals and companies should use the eligibility tool on the program web site to determine if their local utility participates in the Focus on Energy program.

Contact:

Focus on Energy
431 Charmany Dr.
Madison, WI 53719
Phone: (800) 762-7077
Fax: (608) 249-0339
E-Mail: focusinfo@focusonenergy.com
Web Site: <http://www.focusonenergy.com>

Focus on Energy - Home Performance with Energy Star (WPS Customers Only)

Last DSIRE Review: 02/02/2011

Program Overview:

State: Wisconsin
Incentive Type: State Rebate Program
Eligible Efficiency Technologies: Refrigerators, Lighting, Furnaces , Boilers, Heat pumps, Central Air conditioners, Duct/Air sealing, Building Insulation, Custom/Others pending approval, Others
Applicable Sectors: Residential
Amount: Double the rates of Focus on Energy Cash-Back Rewards
Maximum Incentive: \$3000
Equipment Requirements: Eligible measures/equipment determined by auditor recommendations
Web Site: <http://www.focusonenergy.com/General/wps/ener...>

Summary:

Through the Home Performance with Energy Star program, Focus on Energy has teamed up with Wisconsin Public Service (WPS) to offer extra incentives for WPS customers who receive Home Performance with Energy Star evaluations. Customers must complete at least three of the

improvements recommended by the auditor in order to be eligible for their choice of Double Rewards or Low-Interest Financing.

Customers who choose Double Rewards can receive double the amount of Focus on Energy's Cash-Back Rewards. More information on Low-Interest Financing can be found [here](#).

Energy consultants inspect home energy systems, help identify the most effective measures for increasing home efficiency, and assist participants applying for Cash-Back Rewards for the measures adopted. The cost of the energy evaluation and incentive amounts vary by case and by auditor recommendations.

Focus on Energy also offers Cash-Back Rewards on [efficient heating and cooling](#) equipment and on other selected [energy efficient products](#).

Contact:

Focus on Energy
431 Charmany Dr.
Madison, WI 53719
Phone: (800) 762-7077
Fax: (608) 249-0339
E-Mail: focusinfo@focusonenergy.com
Web Site: <http://www.focusonenergy.com>

Focus on Energy - Incentives for Existing Multi-Family Buildings

Last DSIRE Review: 02/02/2011

Program Overview:

State: Wisconsin

Incentive Type: State Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Dehumidifiers, Equipment Insulation, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers, Furnaces, Boilers, Heat pumps, Central Air conditioners, Heat recovery, Energy Mgmt. Systems/Building Controls, Duct/Air sealing, Building Insulation, Motor VFDs, Led Exit Signs, Vending Machine Controls

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Multi-Family Residential

Amount: Prescriptive: Varies by equipment type

Custom (Electric):

Tier 1: \$0.03/kWh, \$100/ peak kW

Tier 2: \$0.045/kWh, \$150/peak kW

Custom (Gas):

Tier 1: \$0.30/therm

Tier 2: \$0.45/therm

| | |
|-------------------------|---|
| Maximum Incentive: | Prescriptive: Varies by equipment type, \$50,000 per project Custom: lesser of 30% of cost or \$250,000 per project Total: \$250,000 per project and \$500,000 per customer tax ID per year for all Focus incentives. |
| Equipment Requirements: | Varies by equipment type; equipment must generally be new to qualify for incentives |
| Funding Source: | Focus on Energy |
| Expiration Date: | 06/30/2011 (current application) |
| Web Site: | http://www.focusonenergy.com/Business/Apartme... |

Summary:

Focus on Energy offers incentives to owners of existing multi-family (4+ units) condo and apartment buildings who make energy efficiency improvements. The program offers a combination of technical assistance, prescriptive equipment rebates, and custom incentives based on the amount of energy that a project saves. Eligible equipment generally includes energy efficient appliances, HVAC equipment, building shell improvements, and lighting measures. Incentives are available for common area and building improvements, as well as certain improvements made in individual dwelling units.

To begin participating in the program, eligible building owners/managers work with a Focus Energy Advisor to perform a free energy assessment and identify suitable building improvements. For prescriptive HVAC and appliance rebates, up to \$4,000 in incentives are available without pre-approval. Custom incentives for electricity and natural gas savings are broken down into two tiers based on the number of measure categories that are implemented. Click [here](#) for a full list of prescriptive and custom incentives for existing multi-family buildings (effective July 1, 2010). The Focus on Energy program itself does not have a specific expiration date, although many individual program applications expire at different times throughout the year.

Focus on Energy works with eligible Wisconsin residents and businesses to install cost effective energy efficiency and renewable energy projects. Focus information, resources and financial incentives help to implement projects that otherwise would not be completed, or to complete projects sooner than scheduled. Its efforts help Wisconsin residents and businesses manage rising energy costs, promote in-state economic development, protect our environment and control the state's growing demand for electricity and natural gas.

Please note that customer eligibility for Focus on Energy incentives is based on utility participation; interested individuals and companies should use the eligibility tool on the program web site to determine if their local utility participates in the Focus on Energy program. Further incentive details, applications, and other information are available at the program

website.

Incentives are also available for multi-family new construction.

Contact:

Program Information - Focus On Energy Apartment and Condo Program
Focus on Energy
431 Charmany Drive
Madison, WI 53719
Phone: (800) 762-7077
E-Mail: focusinfo@focusonenergy.com
Web Site: <http://www.focusonenergy.com>

Focus on Energy - Incentives for Multi-Family New Construction

Last DSIRE Review: 02/02/2011

Program Overview:

State: Wisconsin
Incentive Type: State Rebate Program
Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Dehumidifiers, Equipment Insulation, Water Heaters, Lighting, Lighting Controls/Sensors, Furnaces , Boilers, Heat pumps, Central Air conditioners, Heat recovery, Energy Mgmt. Systems/Building Controls, Building Insulation, Windows, Motor VFDs, Vending Machine Controls, Energy Efficient Elevators, Pool Heaters
Eligible Renewable/Other Technologies: Geothermal Heat Pumps, Daylighting
Applicable Sectors: Multi-Family Residential
Amount: Prescriptive: Varies by equipment type
Custom (Electric):
Tier 1: \$0.03/kWh, \$100/peak kW
Tier 2: \$0.045/kWh, \$150/peak kW
Custom (Gas):
Tier 1: \$0.30/therm
Tier 2: \$0.45/therm
Maximum Incentive: Prescriptive: Varies by equipment type, \$50,000 per project
Custom: lesser of 30% of cost or \$250,000 per project
Total: \$250,000 per project and \$500,000 per customer tax ID per year for all Focus incentives.

Equipment Requirements: Varies by equipment type; equipment must generally be new to qualify for incentives

Funding Source: Focus On Energy

Expiration Date: 6/30/2011 (current application)

Web Site: <http://www.focusonenergy.com/Business/Apartme...>

Summary:

Focus on Energy offers incentives for the incorporation of energy efficiency into newly constructed multi-family (4+ units) condo and apartment buildings. The program offers a combination of prescriptive equipment rebates and custom incentives based on the amount of energy that a project saves. Eligible equipment generally includes energy efficient appliances, HVAC equipment, building shell measures, and lighting measures. Incentives are available for common area and building improvements, as well as certain installations applicable to individual dwelling units.

To begin participating in the program, eligible building owners/managers may participate in a free energy consultation with Focus personnel. In general, for prescriptive HVAC and appliance rebates, up to \$4,000 in incentives are available without pre-approval although pre-approval is always required for certain measures. Custom incentives for electricity and natural gas savings are broken down into two tiers based on the number of measure categories that are implemented. Click [here](#) for a full list of prescriptive and custom incentives for multi-family new construction (effective January 1, 2011). The Focus on Energy program itself does not have a specific expiration date, although many individual program applications expire at different times throughout the year.

Focus on Energy works with eligible Wisconsin residents and businesses to install cost effective energy efficiency and renewable energy projects. Focus information, resources and financial incentives help to implement projects that otherwise would not be completed, or to complete projects sooner than scheduled. Its efforts help Wisconsin residents and businesses manage rising energy costs, promote in-state economic development, protect our environment and control the state's growing demand for electricity and natural gas.

Please note that customer eligibility for Focus on Energy incentives is based on utility participation; interested individuals and companies should use the eligibility tool on the program web site to determine if their local utility participates in the Focus on Energy program. Further incentive details, applications, and other information are available at the program web site.

Contact:

Program Information - Focus On Energy Apartment and Condo Program
Focus on Energy
431 Charmany Drive
Madison, WI 53719
Phone: (800) 762-7077

E-Mail: focusinfo@focusonenergy.com
Web Site: <http://www.focusonenergy.com>

Focus on Energy - Renewable Energy Incentives

Last DSIRE Review: 02/02/2011

Program Overview:

State: Wisconsin

Incentive Type: State Rebate Program

Eligible Renewable/Other Technologies: Solar Water Heat, Solar Thermal Process Heat, Photovoltaics, Wind, Solar Pool Heating

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

Amount: Small solar electric: \$600/kW
Business solar electric: \$0.50/kWh-yr
Small wind: Based on expected output
Small solar hot water: \$400-\$800/panel
Business solar hot water: \$4-6.25/therm
Biomass systems: \$2-\$3/therm-yr
25% bonus for nonprofit entities
200% bonus for implementing efficiency measures prior to solar and wind installation All incentives vary depending on quality of system site

Maximum Incentive: 30% of total system cost

Eligible System Size: Wind: up to 20kW at wind speeds of 11 m/s;
Small solar electric: 0.5 kW-6 kW;
Business solar electric: 7 kW-20 kW
Small solar hot water: 1-8 panels
Business solar hot water: 9-32 panels
Biomass systems: 1,000-5,000 therms/yr
Wind: Tower must be 100 feet or higher. Wind speed at 197 feet must be at least 12.5 mph

Equipment Requirements: Solar electric modules and inverters must be on California Energy Commission list of eligible equipment
Solar hot water collectors must be SRCC rated

Installation Requirements: All systems must comply with all federal, state and local codes;
Wind: Site assessment is required

Ownership of Renewable Energy Credits: Not addressed

Funding Source: Focus On Energy Program

Expiration Date: 06/30/2011 (current application)

Web Site: <http://www.focusonenergy.com/Incentives/Renew...>

Summary:

Focus on Energy offers Renewable Incentives for installing or expanding renewable-energy systems in residential and non-residential buildings. Eligible projects include wind, photovoltaics (PV), solar hot water, and non-residential biomass. Solar pool heating systems installed in at multi-family buildings or public pools are eligible for incentives, but standard residential solar pool heating systems are not. All projects must displace natural gas or electricity from a participating utility. Single-family homes are only eligible for the small solar electric, small solar hot water, and small solar wind incentives. The current application is valid through June 30, 2011, although the program itself has no specified expiration date.

Focus on Energy incentives are generally calculated on the basis of the system's expected performance in therms or in kilowatt-hours (kWh), with smaller systems eligible for larger per energy unit incentives. Non-profit and government entities are generally eligible for 25% higher incentives. Participation in various energy efficiency programs, referred to collectively as Efficiency First, also entitles customers to 200% incentives. Below are some eligibility and incentive details for each type of eligible technology.

Wind-energy systems (20 kW or less)

- Incentive is determined by the system manufacturer and size.
- Site assessment is required.
- System must have at least a 2-year installation warranty and the turbine must have at least a 5-year warranty.

Solar hot water systems (32 panels or less)

- Incentive is determined by number of panels, compass direction, and shading.
- System must have at least a 5-year installation warranty.

PV systems (0.5 kW - 20 kW)

- System must have at least a 5-year installation warranty.
- Incentives are based on rated capacity of the system, compass direction, tilt, and shading.

Biomass energy (1,000 therms/yr - 5,000 therms/yr)

- The maximum incentive for a biomass energy system is \$10,000 or 30%.
- Systems must have automated feed system and a combustion fan, or it must be listed by the EPA White Tag (Phase II) program.

- Systems must have at least a two-year installation warranty, and all major system components must have at least a one year warranty.

Customers must be located in the service territory of a participating electric provider or natural gas provider. Renewable-energy systems must be installed on the property of an eligible customer and, for electricity-producing projects, must be sized to meet no more than 100% of the on-site load. Focus On Energy also routinely offers a [Renewable Energy Grant](#) program for eligible properties to propose funding for systems that exceed the size limitations described above.

Focus on Energy works with eligible Wisconsin residents and businesses to install cost effective energy efficiency and renewable energy projects. Focus information, resources and financial incentives help to implement projects that otherwise would not be completed, or to complete projects sooner than scheduled. Its efforts help Wisconsin residents and businesses manage rising energy costs, promote in-state economic development, protect our environment and control the state's growing demand for electricity and natural gas.

Contact:

Focus On Energy - Renewable Energy Program
431 Charmany Drive
Madison, WI 53719
Phone: (800) 762-7077
Fax: (608) 249-0339
E-Mail: renewableapplications@focusonenergy.com
Web Site: <http://www.focusonenergy.com>

Alliant Energy (Wisconsin Power and Light) - Farm Wiring Grant Program

Last DSIRE Review: 08/09/2010

Program Overview:

| | |
|-----------------------------------|---|
| State: | Wisconsin |
| Incentive Type: | Utility Grant Program |
| Eligible Efficiency Technologies: | Wiring |
| Applicable Sectors: | Agricultural |
| Amount: | \$1,000 plus 50% of remaining costs |
| Maximum Incentive: | \$10,000 |
| Web Site: | http://alliantenergy.com/UtilityServices/ForY... |
| Summary: | |

Alliant Energy (Wisconsin Power & Light) offers a Farm Wiring Grant program to increase farm safety, productivity and efficiency, while decreasing the potential for stray voltage on livestock farms. The first \$1,000 of the cost of the project is covered by a grant, as well as 50% of the remaining costs (up to \$9,000), for a maximum grant incentive of \$10,000. To start, Alliant Energy will inspect the facility for stray voltage and recommend improvements. Alliant's [Farm Wiring Financing Program](#) also offers loans of up to \$20,000 at 3% for wiring or efficiency equipment as part of this program.

In addition to this program, Alliant-WP&L offers the [Shared Savings Financing Program](#) for the installation of energy efficiency improvements. More information can be found at the program website.

Contact:

Customer Service - WPL Agricultural Energy Efficiency
Alliant Energy
4902 North Biltmore Lane
Suite 1000
Madison, WI 53718-2148
Phone: (800) 255-4268
Fax: (608) 758-1459
E-Mail: customercare@alliantenergy.com
Web Site: <http://www.alliantenergy.com>

We Energies - Direct Financial Incentives for Renewable Energy Projects

Last DSIRE Review: 03/23/2011

Program Overview:

State: Wisconsin

Incentive Type: Utility Grant Program

Eligible

Renewable/Other Technologies: Photovoltaics, Wind, Biomass, Anaerobic Digestion, Small Hydroelectric

Applicable Sectors: Nonprofit, Schools, Local Government, State Government, Tribal Government, Institutional

Amount: PV: \$2.50 per kWh of expected annual output
Wind: \$2.00 per kWh of expected annual output

Maximum Incentive: \$100,000

Equipment Requirements: Systems must be manufactured and installed in compliance with the latest edition of the National Electric Code.

Installation: A North American Board of Certified Energy Practitioners (NABCEP)

Requirements: certified installer must serve as the project lead, and a licensed electrician must be used. PV and wind-energy projects must undergo a site-assessment prior to proposal submission.

Expiration Date: 12/31/2011

Web Site: http://www.we-energies.com/business_new/alten...

Summary:

We Energies, a Wisconsin-based investor-owned utility, offers non-profit and local government customers grants up to \$100,000 to support the installation of renewable energy projects such as photovoltaic (PV), wind, biomass, anaerobic digestion, small hydroelectric systems. The Direct Financial Incentives Program is available to nonprofits (including schools and academic institutions) and units of government (including special districts and authorities defined as government entities under Wisconsin law). In most cases, customers retain ownership of the renewable-energy credits (RECs) associated with the generation of electricity using eligible renewables.

The following conditions apply:

- Proposed PV and wind projects must have a site-assessment completed by a [site assessor certified by the Midwest Renewable Energy Association](#).
- All renewable energy systems must be manufactured and installed in compliance with all requirements of the latest edition of the National Electric Code (American National Standards Institute/National Fire Protection Association-70).
- A North American Board of Certified Energy Practitioners (NABCEP) certified installer must serve as the project lead, and a licensed electrician must be used.
- All installations must comply with Wisconsin Administrative Code Chapter PSC 119 for interconnecting distributed generation facilities.
- All projects must include a strong and clearly identified outreach and educational component that will be used to inform and educate the public in an ongoing manner.

The current Request for Proposals (RFP) from We Energies lists a total of five rounds of funding. The application deadlines for each round of potential funding is noon on the following dates:

:

- February 25, 2011
- April 22, 2011
- June 24, 2011
- August 19, 2011
- October 21, 2011

See the program web site for more information, to view the current solicitation, or to find out about the next round of funding.

Contact:

Connie Lindholm
We Energies
Non-Profit Renewable Energy Grant Program
231 W. Michigan St., P318
Milwaukee, WI 53203
Phone: (800) 714-7777
Phone 2: (414) 221-2175
E-Mail: Connie.Lindholm@we-energies.com
Web Site: <http://www.we-energies.com>

Xcel Energy - Farm Rewiring Grants

Last DSIRE Review: 11/19/2010

Program Overview:

| | |
|-----------------------------------|---|
| State: | Wisconsin |
| Incentive Type: | Utility Grant Program |
| Eligible Efficiency Technologies: | Agricultural Equipment |
| Applicable Sectors: | Agricultural |
| Amount: | 100% of the first \$1,000 of expenses 50% of the remaining cost |
| Maximum Incentive: | Maximum grant of \$8,000 |
| Equipment Requirements: | Pre-approval required |
| Web Site: | http://www.xcelenergy.com/Wisconsin/Residenti... |

Summary:

Xcel Energy provides an incentive to help its agricultural customers install safer and more energy efficient electrical wiring. Xcel will cover 100% of the first \$1,000 of expenses, and 50% of the remaining costs up to \$8,000. Projects must be pre-approved to qualify for funding. Participant must be an Xcel Energy electric agricultural customer in Wisconsin with an active livestock farm approved by Xcel. This incentive may be combined with a similar [rewiring loan program](#) offered by the utility.

Contact:

Customer Service
414 Nicollet Mall
Minneapolis, MN 55401-1993
Phone: (800) 895-4999
Phone 2: (800) 481-4700

Web Site: <http://www.xcelenergy.com>

Alliant Energy (Wisconsin Power and Light) - Farm Wiring Financing Program

Last DSIRE Review: 08/09/2010

Program Overview:

State: Wisconsin
Incentive Type: Utility Loan Program
Eligible Efficiency Technologies: Lighting, Agricultural Equipment, Custom/Others pending approval, Robotic Milking Equipment, Heat Reclaimers, Ventilation Systems
Applicable Sectors: Agricultural
Amount: Varies
Maximum Incentive: Maximum loans of \$20,000
Terms: Rate: 3%
Repayment: up to 5 years
Web Site: <http://alliantenergy.com/UtilityServices/ForY...>

Summary:

Alliant Energy (Wisconsin Power & Light) offers a farm wiring financing program to increase farm safety, productivity and efficiency, while decreasing the potential for stray voltage on livestock farms. To start, Alliant Energy will inspect the facility for stray voltage and recommend improvements. Loans of up to \$20,000 at 3% are available for wiring or efficiency equipment as part of this program.

In addition to this program, Alliant-WP&L offers the Farm Wiring Grant Program for the mitigation of stray voltage and installation of energy efficiency improvements. More information can be found at the program website.

Contact:

Customer Service - WPL Agricultural Energy Efficiency
Alliant Energy
4902 North Biltmore Lane
Suite 1000
Madison, WI 53718-2148
Phone: (800) 255-4268
Fax: (608) 758-1459
E-Mail: customercare@alliantenergy.com
Web Site: <http://www.alliantenergy.com>

Alliant Energy (Wisconsin Power and Light) - Shared Savings Program

Last DSIRE Review: 08/09/2010

Program Overview:

State: Wisconsin
Incentive Type: Utility Loan Program
Eligible Efficiency Technologies: Lighting, Heat recovery, Agricultural Equipment, Custom/Others pending approval
Applicable Sectors: Agricultural
Amount: Varies (\$7,500 minimum)
Terms: Rate: 0% (includes small administration fee)
Repayment: up to 5 years
Web Site: <http://alliantenergy.com/UtilityServices/ForY...>

Summary:

Alliant Energy (Wisconsin Power & Light) offers the Shared Savings financing program for the installation of energy efficient farm improvements. Farms or ag-related businesses are eligible if Alliant Energy supplies the electricity or natural gas on a retail rate basis for the applicable technology. With the Shared Savings Program, agricultural customers can purchase high efficiency equipment without any upfront costs. Alliant Energy-WP&L will pay for the cost of the equipment and the customer repays the financing plus administrative fee in 60 equal payments over a five year contract term. Nearly all energy efficient equipment will qualify, but pre-approval from Alliant Energy-WP&L is required.

Contact:

Customer Service - WPL Agricultural Energy Efficiency
Alliant Energy
4902 North Biltmore Lane
Suite 1000
Madison, WI 53718-2148
Phone: (800) 255-4268
Fax: (608) 758-1459
E-Mail: customercare@alliantenergy.com
Web Site: <http://www.alliantenergy.com>

Barron Electric Cooperative - Residential Energy Resource Conservation Loan Program

Last DSIRE Review: 12/02/2010

Program Overview:

State: Wisconsin
Incentive Type: Utility Loan Program
Eligible Efficiency Technologies: Water Heaters, Furnaces , Heat pumps, Central Air conditioners, Caulking/Weather-stripping, Building Insulation, Windows, Doors, Ventilation Fans
Applicable Sectors: Residential
Amount: up to \$5,000
Maximum Incentive: \$5,000
Terms: Rate: 3%
Repayment: 5 years
Web Site: <http://www.barronelectric.com/RESIDENTIAL/ind...>

Summary:

A 5-year weatherization and energy-efficient heating and cooling equipment loan for up to \$5,000 at 3% interest is available for Barron Electric Cooperative (BEC) members who complete some or all of the recommendations from a Home Performance Assessment. Year-round residential members are eligible for a free Home Performance Assessment by a certified contractor through BEC. The contractor will perform a full energy evaluation with performance testing and will recommend energy-saving home improvements, based on the evaluation. If the member decides to apply for the loan, an assessment is required before the project begins and after the work is completed to measure the energy-saving results. Loans are limited to 9 per quarter and are on a first-come, first serve basis. Loans are available for insulation, energy-efficient doors, windows, and ventilation fans, Marathon electric water heater from the Cooperative, caulking, weather stripping, and pre-qualified heating and cooling equipment. [Home Performance Assessment/Energy Resource Conservation Loan Application Forms](#) can be found on the program web site or ordered by contacting the Member Services Department.

Contact:

Member Services Department - BEC
Barron Electric Cooperative
1434 State Highway 25 North
P.O. Box 40
Barron, WI 54812
Phone: (715) 537-3171
Phone 2: (800) 322-1008
E-Mail: barronec@barronelectric.com
Web Site: <http://www.barronelectric.com>

Madison Gas & Electric - Commercial Energy Efficiency Loan Program

Last DSIRE Review: 11/18/2010

Program Overview:

State: Wisconsin
Incentive Type: Utility Loan Program
Eligible Efficiency Technologies: Water Heaters, Furnaces , Custom/Others pending approval
Applicable Sectors: Commercial, Industrial
Amount: \$5,000 and larger
Maximum Incentive: Loans over \$100,000 are continuous instead of annual
Terms: Rate: fixed annually or floated with LIBOR
Repayment: up to 10 years
Web Site: <http://www.mge.com/business/services/financin...>

Summary:

Madison Gas and Electric (MGE) offers its business customers a loan for energy efficiency projects. Customers use a Shared Savings Loan from MGE to finance improvements, with the money saved from improvements used to offset the cost of repaying money provided by MGE.

Projects must be over \$5,000 to qualify and can cover equipment replacements, facility improvements or new construction. Interest rates are fixed for one year then adjusted with the prime rate every year on May 1. Monthly repayment billings appear as line items on participants' energy bills. Participants will have to pass a credit review and provide project information. Contact MGE for more information regarding this program.

Contact:

Business Helpline
Madison Gas and Electric
133 South Blair Street
Madison, WI 53701-1231
Phone: (608) 252-7007
Phone 2: (608) 252-7000
Fax: (608) 252-7098
E-Mail: talksbiz@mge.com
Web Site: <http://www.mge.com/business/services/financing/>

Xcel Energy - Farm Rewiring Loan Program

Last DSIRE Review: 11/19/2010

Program Overview:

State: Wisconsin
Incentive Type: Utility Loan Program
Eligible Efficiency Technologies: Agricultural Equipment
Applicable Sectors: Agricultural
Amount: \$1,000 - \$19,000
Maximum Incentive: \$27,000 per customer
Terms: Rate: 3%
Repayment: up to 5 years
Web Site: <http://www.xcelenergy.com/Wisconsin/Residenti...>

Summary:

Xcel Energy operates the farm rewiring loan program to help its agricultural customers install safer and more energy efficient electrical wiring. The loan program charges 3% interest with terms of up to 5 years. Loans can only be used to cover costs not already covered by other programs such as those offered by Wisconsin Focus on Energy. The loans may also be combined with a similar [rewiring grant program](#) offered by the utility. Energy conservation measures recommended or pre-approved with a rewiring project may also be eligible for Xcel's farm rewiring grants.

Contact:

Customer Service
414 Nicollet Mall
Minneapolis, MN 55401-1993
Phone: (800) 895-4999
Phone 2: (800) 481-4700
Web Site: <http://www.xcelenergy.com>

Barron Electric Cooperative - Commercial, Industrial, and Agricultural Energy Efficiency Rebate Program

Last DSIRE Review: 12/02/2010

Program Overview:

State: Wisconsin
Incentive Type: Utility Rebate Program
Eligible Efficiency Technologies: Lighting, Lighting Controls/Sensors, Central Air conditioners, Motors, Motor VFDs, Agricultural Equipment, Custom/Others pending approval
Applicable Sectors: Commercial, Industrial, Agricultural
Amount: Energy Audit: 25% off the cost of audits
Lighting: \$1 - \$15/unit

| | |
|----------------------------|---|
| | Plate Coolers/Pre-Coolers: \$500/unit |
| | Dairy Refrigeration Heat Recovery: \$300/unit |
| | Low/No-Energy Livestock Waterers: \$50/unit |
| | Scroll Refrigeration Compressors: \$30/HP |
| | Variable Speed/Frequency Drive Motor: \$30/HP |
| | Variable Speed Compressed Air Motor: \$30/HP |
| | Agricultural Exhaust Fans (Rate 21 CFM/watt+): \$1/inch diameter |
| | Agricultural Circulation Fans (Rate 20 CMF/Watt+): \$1/inch diameter |
| | Commercial Air Conditioning Units: \$40/ton |
| | Occupancy Sensors: \$5/switch |
| | Total Rebate Maximum: \$10,000 per account |
| Maximum Incentive: | Scroll Refrigeration Compressors: Up to 20% of cost, max \$500 |
| | Variable Speed/Frequency Drive Motor: Up to 20% of cost, max \$500 |
| | Variable Speed Compressed Air Motor: Up to 20% of cost, max \$500 |
| Eligible System Size: | Low/No-Energy Livestock Waterers: Must be less than 500 watts |
| Equipment Requirements: | Fans: Must be AMCA or University of Illinois Urbana-Champaign-BESS Lab Rated |
| | Large Commercial Air Conditioning Units: 11.0 SEER or greater |
| Installation Requirements: | Central Air rebates require participation in the Load Management Program |
| Web Site: | http://www.barronelectric.com/COMMERCIAL/CUST... |

Summary:

Barron Electric Cooperative (BEC) offers the Customized Energy Incentive Program for their commercial, industrial, and agricultural members to save energy by replacing old equipment with more energy efficient models. Rebates are available for lighting, a variety of agricultural equipment, motors, and air conditioning units. Additional custom rebates may also be available. A list of qualifying technologies and rebate amounts, as well as the [rebate application](#), can be found on the program website. BEC also partners with GEN~SYS Energy to conduct a discounted energy audit for interested business or farm members. The maximum incentive is \$10,000 per customer. Rebates are available based upon energy audit findings. Contact BEC for more information on this program.

Contact:

Member Services Department - BEC
 Barron Electric Cooperative
 1434 State Highway 25 North
 P.O. Box 40
 Barron, WI 54812
 Phone: (715) 537-3171
 Phone 2: (800) 322-1008
 E-Mail: barronec@barronelectric.com
 Web Site: <http://www.barronelectric.com>

Barron Electric Cooperative - Energy Star Appliance & Energy Efficient Lighting Rebate Program

Last DSIRE Review: 12/02/2010

Program Overview:

State: Wisconsin

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Dehumidifiers, Lighting, Central Air conditioners

Applicable Sectors: Any member receiving electric service from BEC

Clothes Washer: \$25
Dishwasher: \$25
Dehumidifier: \$25
Freezer: \$25
Refrigerator: \$25
Room Air Conditioner: \$25
Refrigerator and Freezer Recycling: up to \$50
CFL Bulbs: \$1 per bulb

Amount: CFL Fixtures-Hardwired: \$5 per unit
Cold Cathode Bulbs: \$2 per bulb
LED Bulbs: \$2 per lamp
LED Holiday Lights (limit 12): \$2 per string
High-watt CFLs (60+ watts): \$5 per bulb
LED Outdoor Lighting: \$15 per fixture
Occupancy Sensor: \$5 per unit
Energy Saving Smart Strip: \$5 per unit
Drain Water Recovery System: \$50 per unit

Expiration Date: 12/15/2010

Web Site: <http://www.barronelectric.com/RESIDENTIAL/ind...>

Summary:

Barron Electric Cooperative (BEC) offers rebates to any member receiving electrical service for the purchase of Energy Star appliances and energy efficient lighting. All appliance rebates are \$25 dollars, except for refrigerator or freezer recycling which receives a \$50 rebate. Lighting rebates range from \$1 to \$15 on CFL bulbs, CFL hardwired fixtures, cold cathode bulbs, and indoor and outdoor LED lighting. Measures such as sensors, smart strips and drain water recovery systems are also available through this program. All rebates are issued in the form of a credit to the member's electric account. Rebates may not exceed the purchase price and items must have been purchased in the current program year. Customers can download the [rebate application form](#) from the program website.

Contact:

Member Services Department - BEC
Barron Electric Cooperative
1434 State Highway 25 North
P.O. Box 40
Barron, WI 54812
Phone: (715) 537-3171
Phone 2: (800) 322-1008
E-Mail: barronec@barronelectric.com
Web Site: <http://www.barronelectric.com>

Cedarburg Light & Water Utility - Commercial Energy Efficiency Rebate Program

Last DSIRE Review: 12/02/2010

Program Overview:

State: Wisconsin

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Refrigerators, Lighting, Lighting Controls/Sensors, Chillers, Central Air conditioners, Compressed air, Motors, Motor VFDs, Agricultural Equipment, Comprehensive Measures/Whole Building, Custom/Others pending approval, Vending Machine Controls, Commercial Refrigeration Equipment, Personal Computing Equipment, anti-condensate heater controls, LED refrigerated case lighting, network management

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

Amount: Varies by measure

Maximum Incentive: Request for Proposals (RFP) for Energy Efficiency program: \$250,000

Equipment Requirements: Minimum efficiency requirements and other terms and conditions apply.

Web Site: <http://www.cedarburglightandwater.com/busines...>

Summary:

Cedarburg Light and Water Utility provides incentives for its commercial, industrial and agricultural customers to increase their energy efficiency. Upon request, Cedarburg Light and Water Utility will send an energy engineer from their power supplier, [Wisconsin Public Power Inc.](#), to inspect the facility and suggest cost-effective ways to reduce the customer's monthly energy bill. They will provide an in-depth analysis of the operation's energy use and a detailed report outlining specific recommendations and projected savings. If the project will reduce energy consumption and power demand during peak periods, the customer may be eligible for a cash incentive. To qualify for an incentive, customers should receive pre-approval from Cedarburg Light & Water prior to implementing any efficiency improvements. Many types of

efficiency improvement projects are eligible, and the incentive amount will be determined on a case-by-case basis. For more information, please contact Fred Rambert.

The Request for Proposals (RFP) for Energy Efficiency program is designed to encourage investment by large commercial and industrial utility customers in energy efficient improvements. Up to \$250,000 of incentive funding is available for each bid cycle. The RFP seeks large efficiency projects that reduce annual total energy consumption by 150,000 kilowatt-hours or more, and/or projects that will reduce the on-peak electrical demand by at least 25 kilowatts from 1PM to 4PM during the months of June, July, and August.

[Wisconsin Focus on Energy](#) offers financial incentives to eligible business customers for installing qualifying energy efficiency measures. These measures include a variety of technologies including energy efficient lighting, motors, compressed air, and HVAC equipment. To find out more click on link provided.

Contact:

Fred Rambert
Cedarburg Light and Water Utility
PO Box 767
Cedarburg, WI 53012-0767
Phone: (262) 375-7650
Phone 2: (800) 762-7077
E-Mail: frambert@wppisys.org
Web Site: <http://www.cedarburglightandwater.com>

Cedarburg Light & Water Utility - Residential Energy Efficiency Rebate Program

Last DSIRE Review: 12/03/2010

Program Overview:

| | |
|--|---|
| State: | Wisconsin |
| Incentive Type: | Utility Rebate Program |
| Eligible Efficiency Technologies: | Water Heaters, Lighting, Furnaces , Boilers, Heat pumps, Central Air conditioners, Duct/Air sealing, Building Insulation, Comprehensive Measures/Whole Building, Custom/Others pending approval, Flue closure |
| Eligible Renewable/Other Technologies: | Geothermal Heat Pumps |
| Applicable Sectors: | Residential, Low-Income Residential |
| Amount: | LED Fixtures: \$30 each Central A/C: \$100 |

Furnace: \$150 - \$200
Boiler: \$400
Flue closure: \$75
Water Heaters: \$50 - 150
Geothermal Heat Pumps: \$250
Home Performance (Building Shell): \$50 - \$200
Home Performance (Mechanical Systems): \$50 - \$400
Home Performance (Water Heating): \$50 - \$250
Home Performance (Ventilation): \$50 - \$100

Eligible System
Size:

Light rebates: limit 12 per customer

Except for central air equipment, rebates are only available for pre-qualified equipment

Equipment
Requirements:

Central A/C: Minimum SEER rating of 15

Boiler: 300 MBH or smaller

Furnace: 90% AFUE, Electronically Commutated Motor, brushless DC motor

Web Site:

<http://www.focusonenergy.com/Incentives/Resid...>

Summary:

Cedarburg Light & Water (CL&W) offers rebates to its residential customers on energy-efficient heating and cooling equipment, water heaters, and ENERGY STAR® qualified bulbs through [Wisconsin Focus on Energy](#). The partnership program rewards CL&W customers for purchasing and installing energy efficient products. Detailed information regarding qualifying equipment and cash rebate amount can be found on the Focus on Energy website or by calling (800) 762-7077. Lighting rebates are through mail-in coupons. Maytag and KitchenAid EnergyStar rebates are offered through the manufacturing rebates linked to the Wisconsin Focus on Energy site above. CW&W may also be able to provide custom energy efficiency incentives for those who install eligible measures. Loan financing and incentives for builders are also on the web site listed above. Please contact CL&W or visit the program web site for full program details and requirements.

Contact:

Fred Rambert
Cedarburg Light and Water Utility
PO Box 767
Cedarburg, WI 53012-0767
Phone: (262) 375-7650
Phone 2: (800) 762-7077
E-Mail: frambert@wppisys.org
Web Site: <http://www.cedarburglightandwater.com>

Eau Claire Energy Cooperative - Non-Residential Energy Efficiency Rebate Programs

Last DSIRE Review: 12/03/2010

Program Overview:

State: Wisconsin

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Dehumidifiers, Ceiling Fan, Water Heaters, Lighting, Central Air conditioners, Heat recovery, Led Exit Signs, Home Performance Evaluation

Applicable Sectors: Commercial, Industrial, Nonprofit, Schools, Agricultural, Institutional

Amount: Lighting: Varies by fixture type and efficiency
Clothes washer: \$25
Dishwashers: \$25
Refrigerators: \$25
Freezers: \$25
Room Air Conditioner: \$25
Dehumidifier: \$25
Central Air Conditioner/Mini Split: \$40 - \$80/Ton
Air Source Heat Pump: \$120/Ton
Geothermal Heat Pump: \$200/Ton
Electric Water Heater 85 Gallon Marathon: \$125
Electric Water Heater 105 Gallon Marathon: \$200
Home Performance Evaluation: \$100
Dairy Plate/Well Water Cooler: \$500
High Efficiency Livestock Waterers: \$50
Dairy Heat Recovery: \$1/Gallon
Scroll Refrigeration Compressor: \$30/HP
Variable Frequency Compressed Air: \$30/HP
Agricultural Fans: \$1/Inch in Diameter

Maximum Incentive: Variable Drives and Compressors: \$500

Equipment Requirements: All Appliances: Must be Energy Star
Central AC: SEER 14.0 and higher
Packaged Terminal AC/Heat Pump: 11.0 EER and higher
Air Source Heat Pumps: SEER 14.0 and higher
Electric Water Heaters: Must participate in Eau Claire Energy Cooperative's Load Management Program to be eligible for this rebate

Expiration Date: Rebate technologies must be purchased between January 1 and December 31, 2009. All completed forms must be received at Eau Claire Energy Cooperative by January 31, 2010.

Web Site: <http://www.ecec.com/programs/incentives>

Summary:

Eau Claire Energy Cooperative offers rebates to its commercial and agricultural customers for the purchase of energy efficient appliances, central air conditioners, air source heat pumps, geothermal heat pumps, dehumidifiers, and agricultural equipment. Customers who install energy efficiency measures or equipment not listed on this program may still be eligible for a custom rebate. Contact Eau Claire Cooperative for information on eligibility for custom rebates. Some rebates vary by the size, efficiency or capacity of the purchased equipment. Purchases must be made by December 31 of the current program year and incentive requests must be received by January 15 of the following year. Visit the program web site for more equipment and eligibility information.

Contact:

Program Manager - ECEC
Eau Claire Energy Cooperative
P.O. Box 368
8214 US Highway 12
Fall Creek, WI 54742-0368
Phone: (715) 832-1603
Phone 2: (888) 832-1604
Fax: (715) 832-2055
E-Mail: info@ecec.com
Web Site: <http://www.ecec.com>

Eau Claire Energy Cooperative - Residential Energy Efficiency Rebate Program

Last DSIRE Review: 12/03/2010

Program Overview:

State: Wisconsin

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Dehumidifiers, Water Heaters, Lighting, Heat pumps, Central Air conditioners, Compressed air, Motor VFDs, Agricultural Equipment, Led Exit Signs

Eligible Renewable/Other Technologies: Geothermal Electric, Geothermal Heat Pumps

Applicable Sectors: Residential, Multi-Family Residential
Lighting: Varies by fixture type and efficiency
Clothes washer: \$25

Amount: Dishwashers: \$25
Refrigerators: \$25
Freezers: \$25

Room Air Conditioner: \$25
Dehumidifier: \$25
Central Air Conditioner/Mini Split: \$40 - \$80/Ton
Air Source Heat Pump: \$120/Ton
Geothermal Heat Pump: \$200/Ton
Electric Water Heater 85 Gallon Marathon: \$125
Electric Water Heater 105 Gallon Marathon: \$200
Home Performance Evaluation: \$100
Dairy Plate/Well Water Cooler: \$500
High Efficiency Livestock Waterers: \$50
Dairy Heat Recovery: \$1/Gallon
Scroll Refrigeration Compressor: \$30/HP
Variable Frequency Drives: \$30/HP
Variable Frequency Compressed Air: \$30/HP
Agricultural Fans: \$1/Inch in Diameter
All Appliances: Must be Energy Star
Central AC: SEER 14.0 and higher
Packaged Terminal AC/Heat Pump: 11.0 EER and higher
Air Source Heat Pumps: SEER 14.0 and higher
Electric Water Heaters: Must participate in Eau Claire Energy Cooperative's Load Management Program to be eligible for this rebate
Items purchased between January 1, 2010 and December 31, 2010

Equipment Requirements:

Expiration Date:

Web Site:

<http://www.ecec.com/programs/incentives>

Summary:

Eau Claire Energy Cooperative offers its residential customer rebates for the purchase of energy efficient appliances, central air conditioners, air source heat pumps, geothermal heat pumps, dehumidifiers, and agricultural equipment. Customers who make energy efficient upgrades which are not listed on this program may still be eligible to receive a custom rebate. All equipment requirements must be met in order to be eligible for prescriptive rebates listed above. Customers who chose to participate in the load management program are also eligible for rebates on Marathon electric water heaters. Visit program web site for more equipment and eligibility information.

Contact:

Program Manager - ECEC
Eau Claire Energy Cooperative
P.O. Box 368
8214 US Highway 12
Fall Creek, WI 54742-0368
Phone: (715) 832-1603
Phone 2: (888) 832-1604

Fax: (715) 832-2055
E-Mail: info@ecec.com
Web Site: <http://www.ecec.com>

Marshfield Utilities - Heat Pump Rebate Program

Last DSIRE Review: 12/03/2010

Program Overview:

State: Wisconsin
Incentive Type: Utility Rebate Program
Eligible Efficiency Technologies: Heat pumps
Eligible Renewable/Other Technologies: Geothermal Heat Pumps
Applicable Sectors: Residential, Installer/Contractor
Amount: Ground Source Heat Pump: \$550
Web Site: <http://www.marshfieldutilities.org/conservpro...>

Summary:

Marshfield Utilities offers cash-back rewards for Ground Source Heat Pumps, as well as Focus on Energy program incentives. A rebate of \$550 will be given to customers who purchase and install qualifying Ground Source Heat Pumps. Systems must meet the equipment standards of the program in order to receive a rebate. Contact Marshfield Utilities for more information and program requirements.

Contact:

Energy Conservation Programs
Marshfield Utilities
2000 South Roddis Avenue
PO Box 670
Marshfield, WI 54449
Phone: (715) 387-1195
Web Site: <http://www.marshfieldutilities.org>

River Falls Municipal Utilities - Energy Star Appliance Rebates

Last DSIRE Review: 01/05/2011

Program Overview:

State: Wisconsin

Incentive Type: Utility Rebate Program
Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Freezers
Applicable Sectors: Residential
Amount: Clothes Washer: \$100
Refrigerator: \$75
Freezer: \$50
Dishwasher: \$25
Refrigerator/Freezer Recycling: \$20
Bonus Incentive: \$10 for each appliance purchased within River Falls
Maximum Incentive: \$250 per customer/utility account
Equipment Requirements: Appliances must be Energy Star rated
Installation Requirements: Must replace an existing appliance
Funding Source: POWERful Choices Initiative
Start Date: 05/01/2010
Expiration Date: 12/31/2011
Web Site: http://www.rfmu.org/utility_issues/frontpagen...

Summary:

River Falls Municipal Utility (RFMU) offers a variety of rebates to residential electric customers for upgrading to Energy Star qualified clothes washers, refrigerators, freezers, and dishwashers. A bonus incentive of \$10 per appliance is available for appliances purchased within the city of River Falls. In order to receive rebates, customers must provide proof that replaced appliances have been properly recycled according to RFMU policy. Separately, a \$20 incentive is available for customers who properly recycle older working refrigerator and freezer units. Customers are limited to rebates totaling \$250 per utility account. The incentive will be paid as a credit on the customer's electricity account.

Funding for the program is provided by the River Falls [POWERful Choices Initiative](#). Please see the program web site or contact the utility for additional information.

Contact:

Customer Service - RFMU
River Falls Municipal Utilities
222 Lewis Street, Suite 228
River Falls, WI 54022
Phone: (715) 425-0906
Fax: (715) 425-7217
E-Mail: RFMU@wppienergy.org
Web Site: <http://www.rfmu.org/>

Mike Noreen
River Falls Municipal Utilities
222 Lewis Street, Suite 228
River Falls, WI 54022
Phone: (715) 426-3467
Fax: (715) 425-7217
E-Mail: mnoreen@wppienergy.org
Web Site: <http://www.rfmu.org/>

Riverland Energy Cooperative - Commercial and Industrial Energy Efficiency Rebate Program

Last DSIRE Review: 12/03/2010

Program Overview:

State: Wisconsin
Incentive Type: Utility Rebate Program
Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Dehumidifiers, Water Heaters, Lighting, Lighting Controls/Sensors, Heat pumps, Central Air conditioners, Compressed air, Motor VFDs, Agricultural Equipment, Room Air Conditioners, Central Electric Thermal Storage Units

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Commercial, Industrial

Amount:

- Dehumidifier: \$25
- Refrigerator: \$25
- Freezer: \$25
- Room AC: \$25
- Dishwasher: \$25
- Water Heater: \$25
- Recycled Refrigerator/Freezer: \$50
- Recycled Room AC: \$25
- Occupancy Sensors: \$5/switch
- Metal Halide or High Pressure Sodium Fixture: \$15
- Compact Fluorescent: \$1 - \$5
- LED Bulb/Fixture: \$2
- Pulse Start Metal Halide/Ceramic Metal Halide/HPS: \$15
- T5/T8: \$5 - \$7.50/
- Central Air Conditioner: \$40 - \$80/ton
- Air Source Heat Pump: \$120/ton
- Water Heaters: \$50 - \$300
- Contractor Retrofit/ Repair: \$75

Central Electric Thermal Storage Units: \$500
Individual Electric Thermal Storage Units: 20%
Non-Hydronic System: 33% for cost of materials
Electric Plenum Heater/Air Handlers: \$100
Geothermal Heat Pump: \$200/ton
Dairy Plate Cooler/Well Water Pre-Cooler: \$500
High Efficiency Livestock Waterers: \$50
Dairy Heat Recovery: \$1/gallon
Scroll Refrigeration Compressor: \$30/HP
Variable Frequency Drives/Compressed Air: \$30/HP
Ventilation Fans: \$1/inch diameter

Eligible System Size: Electric Water Heater: 50 gallons or larger
Equipment Requirements: AC and Air Source Heat Pumps: 14 SEER or higher.
All non-lighting incentives require load management controls.
Web Site: <http://www.riverlandenergy.com/RIVERLAND%20HO...>

Summary:

Riverland Energy Cooperative offers a number of rebates for the purchase and installation of lighting fixtures, air conditioners, heat pumps, air conditioners, water heaters, central electric thermal storage units, and agricultural equipment that meet minimum standards of energy efficiency. All rebates except for the lighting rebates require load management control. More details about incentive amounts and efficiency requirements are located on the program website. Customers should contact a customer service representative at Riverland Energy Cooperative for more information on how to apply for these rebates.

Contact:

Aaron Torud
Riverland Energy Cooperative
P.O. Box 277
Arcadia, WI 54612
Phone: (608) 323-3381
Phone 2: (800) 411-9115
E-Mail: atorud@riverlandenergy.com
Web Site: <http://www.riverlandenergy.com>

Riverland Energy Cooperative - Residential Energy Efficiency Rebate Program

Last DSIRE Review: 12/03/2010

Program Overview:

State: Wisconsin

Incentive Type: Utility Rebate Program
Eligible Efficiency Technologies: Clothes Washers, Dishwasher, Refrigerators, Dehumidifiers, Water Heaters, Lighting, Boilers, Heat pumps, Central Air conditioners, Room Air Conditioners, Central Electric Thermal Storage Units, Non-Hydronic Heating System, Air Handlers, Plenum Heaters

Eligible Renewable/Other Technologies: Geothermal Heat Pumps

Applicable Sectors: Residential

Amount: Lighting: \$1 - \$15
Clothes Washers: \$25
Dishwashers: \$25
Dehumidifiers: \$25
Refrigerators: \$25
Room Air Conditioners: \$25
Refrigerator/Freezer Recycling: \$50
Room Air Conditioner Recycling: \$25
Central Air Conditioner: \$40 - \$80/Ton
Electric Water Heater: \$50 - \$325
Heat Pump Water Heater: \$300
Geothermal Heat Pump: \$200/ton
Air Source Heat Pump: \$120/ton
Electric Boiler: \$100
Central Electric Thermal Storage Units: \$500
Non-Hydronic Heating System: 33% of cost
Air Handlers: \$100
Plenum Heaters: \$100

Eligible System Size: Electric Water Heater: must be at least 50 gallons.

Equipment Requirements: All appliances must be Energy Star Certified.
Air Source Heat Pump and Air Conditioners: 14 SEER & greater

Web Site: <http://riverlandenergy.com/RIVERLAND%20HOMEPA...>

Summary:
Riverland Energy Cooperative offers a variety of rebates and incentives for their residential customers to save money on energy efficient appliance and equipment purchases and installation. Rebates are available for lighting fixtures, Energy Star appliances, electric water heaters, air conditioners, heat pumps, electric boilers, and central electric thermal storage units. In order to qualify for the heating and cooling incentives, customers must participate in the load management control program. More details about eligible technologies and energy efficiency requirements are located on the program web site.

Contact:

Aaron Torud
Riverland Energy Cooperative
P.O. Box 277
Arcadia, WI 54612
Phone: (608) 323-3381
Phone 2: (800) 411-9115
E-Mail: atorud@riverlandenergy.com
Web Site: <http://www.riverlandenergy.com>

We Energies - Livestock and Dairy Farm Electrical Re-wiring Program

Last DSIRE Review: 02/08/2011

Program Overview:

State: Wisconsin
Incentive Type: Utility Rebate Program
Eligible Efficiency Technologies: Agricultural Equipment, Custom/Others pending approval, Electric Re-wiring, ventilation
Applicable Sectors: Agricultural
Amount: Dairy Farm Customers: \$1,000 then 50% of remaining costs
All Livestock Farm Customers: 50% total cost
Maximum Incentive: Dairy Farm Customers: \$6,000
Livestock Farm Customers: \$2,000
Web Site: <http://www.we-energies.com/agricultureservice...>

Summary:

Any We Energies dairy farm customer can apply for assistance with a re-wiring project. We Energies would pay the first \$1,000 of the project and 50 percent of remaining costs up to a total grant of \$6,000. Qualified dairy farms can also receive up to \$20,000 in financing from We Energies at 3% interest to cover the remaining costs. We Energies will also contribute \$1,000 for an inspection and pay service inspection fees.

Additionally, any We Energies [livestock farm customer](#), including dairy farmers, can apply for assistance with a re-wiring project through a [Focus on Energy rebate program](#).

Contact:

Jason Kollwelter
We Energies
Agricultural Services
1300 Janesville Ave.
Fort Atkinson , WI 53538

Phone: (866) 727-1097
Phone 2: (800) 762-7077
Web Site: <http://www.we-energies.com/agricultureservices>

We Energies - Multi-family, Non-Profit, and Small Business Energy Efficiency Rebate Program

Last DSIRE Review: 02/07/2011

Program Overview:

State: Wisconsin
Incentive Type: Utility Rebate Program
Eligible Technologies: Equipment Insulation, Water Heaters, Lighting, Lighting Controls/Sensors, Chillers, Furnaces, Boilers, Central Air conditioners, Steam-system upgrades, Programmable Thermostats, Building Insulation, Motors, Custom/Others pending approval, Led Exit Signs, Room Air Conditioners, Energy Evaluation, Steam Trap

Applicable Sectors: Commercial, Nonprofit, Multi-Family Residential, Small Business

Amount: All rebates vary by measure and sector
Lighting/Controls Measures: \$2 - \$90 per fixture/unit
Water Heaters: \$100 - \$650
Boiler: \$3/MBH
Boiler Equipment/Repair: \$90 - \$150
Furnace: \$250 - \$350
Furnace Equipment/Repair: \$90 - \$150
Air Conditioners: \$200 - \$600
Window/Sleeve Air Conditioners: \$60 - \$120
Natural Gas Heating Equipment Tune-Up: \$65 - \$275
Building Insulation: \$0.01 - \$0.02/R value increase/sq. ft.
Pipe Insulation: \$1.25/linear ft.
Vending Machine Controls: \$100
Programmable Thermostat: up to \$50

Maximum Incentive: \$40,000 per project
Total incentive not to exceed 75 percent of the project cost

Expiration Date: 06/30/2011

Web Site: http://www.we-energies.com/propertymanager_ne...

Summary:

We Energies offers an Energy Incentive Program that serves Multi-Family, Non-Profit/Charitable, and Small Business customers and provides incentives to install eligible technologies, including boiler controls, water heating improvements, steam trap replacements and common area lighting improvements. Custom Incentives are also offered and designed to meet the needs of customers for projects that are more complicated or incorporate alternative

technologies to those offered under the standard offer incentives. Pre-approval is necessary for Custom Incentives but not for standard offer incentives.

Incentives will only be rewarded for standard measure energy-saving technologies or pre-approved custom projects providing natural gas or peak demand electric savings. All projects exceeding \$5,000 of incentives will be inspected prior to incentive payment. We Energies must receive 100% of the energy savings for the rated life of the product(s) or for a period of three (3) years from receipt of rebate, whichever is less.

For more information and application details, please visit the program web site listed above.

Contact:

Program Information
We Energies Franklin Energy
231 W. Michigan St., P318
Milwaukee, WI 532013
Phone: (877) 598-4376
E-Mail: rgredler@franklinenergy.com
Web Site: <http://www.we-energies.com>

We Energies - Solar Thermal Incentive Program

Last DSIRE Review: 01/13/2011

Program Overview:

| | |
|--|--|
| State: | Wisconsin |
| Incentive Type: | Utility Rebate Program |
| Eligible Renewable/Other Technologies: | Solar Water Heat |
| Applicable Sectors: | Nonprofit, Schools, Local Government, State Government, Tribal Government, Institutional |
| Amount: | Non-profit, Educational Institution and Government: 100% match Focus on Energy incentive |
| Maximum Incentive: | Non-profit, Educational Institution and Government: 30% of system cost |
| Eligible System Size: | 5,000 therms/year (current Focus on Energy size limit) |
| Equipment Requirements: | Systems must meet all Focus on Energy equipment and technical requirements (e.g., 2-year installation warranty, 1-year equipment warranty, SRCC certification, etc.) |

Installation Requirements: Must be installed by a Focus On Energy listed Full Service Solar Hot Water System Installer

Ownership of Renewable Energy Credits: We Energies

Web Site: <http://www.we-energies.com/business/altenergy...>

Summary:

We Energies offers an incentive for non-profit and government customers within its service territory that wish to install solar hot water systems*. The program acts as a matching rebate for qualified solar water heating projects that receive funding from the state [Focus on Energy Solar Water Heating Cash Back Rewards Program](#).

In order to be eligible for a rebate, the applicant must be a not-for-profit, school or government We Energies electric customer and systems must displace fuels or electricity and comply with all related Focus on Energy equipment and installation requirements. Applicants must receive a rebate approval from Focus on Energy and submit this approval along with their We Energies application in order to receive a rebate. An organization may receive incentives from We Energies for only one solar water heating system per year. We Energies will issue the incentive payment upon receiving notice from Focus on Energy that the project is completed and all invoices have been paid in full.

**This program is only intended to support solar water heating systems. It will not support systems designed to produce heat for other purposes (e.g., steam for space heating).*

Contact:

Connie Lindholm
We Energies
Non-Profit Renewable Energy Grant Program
231 W. Michigan St., P318
Milwaukee, WI 53203
Phone: (800) 714-7777
Phone 2: (414) 221-2175
E-Mail: Connie.Lindholm@we-energies.com
Web Site: <http://www.we-energies.com>

Xcel Energy (Electric) - Residential Conservation Programs

Last DSIRE Review: 03/16/2011

Program Overview:

State: Wisconsin

Incentive Type: Utility Rebate Program
Eligible Efficiency Technologies: Water Heaters, Heat recovery, Electric Thermal Storage
Applicable Sectors: Residential, Construction
Amount: Electric Thermal Storage: \$25/kW for first 50 kW + \$10 for each additional kW
Slab Heat Resistant Cable/Electric Hydronic: \$20/kW for first 50 kW + \$5 for each additional kW
Electric Water Heater: \$200 rebate up to 99 gallons + \$3 for each additional gallon
Electric Plenum Heater: \$100
Eligible System Size: Water heater must be 80 gallons or more
Equipment Requirements: Water heater must be 0.91+ EF
Installation Requirements: Customers must be on Xcel Energy's Time-of-Day rate or Limited Off-Peak rate to qualify.
Start Date: 1/1/2011
Expiration Date: 12/31/2011
Web Site: <http://www.xcelenergy.com/Wisconsin/Residenti...>

Summary:

Xcel Energy offers its Wisconsin residential customers rebates for high efficiency appliances and systems. Currently, rebates are available for high efficiency electric water heaters, electric thermal storage, programmable thermostats, and high efficiency gas furnaces and boilers. The water heater rebate is only available to those who do not live in an area with Xcel gas, and the customer must be on one of the Xcel Energy time-of-use programs.

In addition to these rebates, Xcel Energy offers special rates for off-peak hours through the Optional Off Peak Rate program. Customers that enroll are eligible for a lower electric rate during off peak hours, between 9pm and 7am. Xcel Energy also offers the Saver's Switch program for residential customers, which pays customers a bill credit for agreeing to have their air conditioner cycled on and off during peak hours in the summer months.

Contact:

Xcel
Xcel Residential
414 Nicollet Mall
Minneapolis, MN 55401-1993
Phone: (800) 895-4999
Phone 2: (866) 837-9762
E-Mail: Inquire@xcelenergy.com
Web Site: http://www.xcelenergy.com/Wisconsin/Residential/Programs_Resources/Pages/Programs_Res

[ources.aspx](#)

Xcel Energy (Gas) - Residential Conservation Programs

Last DSIRE Review: 03/16/2011

Program Overview:

State: Wisconsin

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Water Heaters, Furnaces , Boilers, Programmable Thermostats, Electric Thermal Storage

Applicable Sectors: Residential, Construction

Amount: Furnace: \$100 or \$200
Boilers: \$200-\$250
Tank-less or Sealed Combustion Water Heater: \$200
Combination Water Heater and Heating Equipment: \$100 bonus
Programmable Thermostat with furnace: \$25
Water heater must be 80 gallons or more

Eligible System Size: Natural Gas Boiler can be paired with floor heat and water heaters for additional rebates in new construction projects.
Furnace: 95+% AFUE
Boiler: 90+% AFUE

Equipment Requirements: Water Heater (tankless/on-demand): 80%+ EF
Conventional Water Heater 0.65+ EF

Start Date: 1/1/2011

Expiration Date: 12/15/2011

Web Site: <http://www.xcelenergy.com/Wisconsin/Residenti...>

Summary:

Xcel Energy offers its Wisconsin residential customers rebates for high efficiency appliances and systems. Currently, rebates are available for high efficiency electric water heaters, electric thermal storage, programmable thermostats, and high efficiency gas furnaces and boilers. The water heater rebate is only available to those who do not live in an area with Xcel gas, and the customer must be on one of the Xcel Energy time-of-use programs.

Contact:

Xcel
Xcel Residential
414 Nicollet Mall
Minneapolis, MN 55401-1993
Phone: (800) 895-4999

Phone 2: (866) 837-9762

E-Mail: Inquire@xcelenergy.com

Web Site:

http://www.xcelenergy.com/Wisconsin/Residential/Programs_Resources/Pages/Programs_Resources.aspx

Rules, Regulations & Policies

Wisconsin Energy Conservation Code

Last DSIRE Review: 02/16/2011

Program Overview:

State: Wisconsin

Incentive Type: Building Energy Code

Eligible

Efficiency Comprehensive Measures/Whole Building

Technologies:

Applicable

Sectors: Commercial, Residential

Residential Code: COMM 22 of the state-developed Uniform Dwelling Code (UDC) is applicable to 1 & 2 family dwellings and incorporates the 2006 IECC with state amendments. (REScheck may be used when the code assignment is indicated to be "Wisconsin" in REScheck). Multi-family dwellings must comply with the 2000 IECC (REScheck may be used when the 2000 IECC code assignment is indicated).

Commercial Code: COMM 63 of the state-developed Uniform Dwelling Code (UDC) is mandatory statewide. It is applicable to nonresidential dwellings and incorporates the 2006 IECC with state amendments. COMcheck can be used to show compliance.

Code Change Cycle: Codes are updated on an ongoing basis through various citizen advisory project committees and the Wisconsin Building Code Advisory Review Board. Most recent update effective April 1, 2009.

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

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.

A new energy law, [SB 459](#), was enacted in March 2006, promoting renewable energy and updating the state's building energy codes.

The law required the Department of Commerce (DOC) to promulgate an Energy Conservation Code for the purpose of energy conservation in public buildings and places of employment and to review that code. In conducting the review, the DOC must consider incorporating into the Energy Conservation Code design requirements from the most current national energy efficiency design standards that are generally acceptable and used by engineers and the construction industry. Unlike the previous law, SB 459 refers to the International Energy Conservation Code instead of the 1989 version of a standard adopted by ASHRAE. The bill also changes the five-year revision requirement to a three-year requirement. The 2006 IECC code for commercial construction was officially implemented on March 1, 2008.

The state of Wisconsin implemented many changes to its [Uniform Dwelling Code \(UDC\)](#) for 1&2-family dwellings. Among them, changes were made to [COMM 22](#) (beginning on page 66/102) of the UDC to incorporate the 2006 IECC with Wisconsin amendments. The changes became effective April 1, 2009.

Contact:

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Wisconsin Department of Commerce
Bureau of Integrated Services, Div. of Safety & Buildings
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201 W. Washington Ave
Madison, WI 53701-7162
Web Site: <http://www.commerce.state.wi.us/SB/>

Madison - Contractor Licensing

Last DSIRE Review: 01/04/2011

Program Overview:

State: Wisconsin
Incentive Type: Contractor Licensing
Eligible Renewable/Other Technologies: Solar Water Heat, Solar Space Heat
Applicable Sectors: Installer/Contractor
Web Site: <http://www.cityofmadison.com/Sustainability/C...>
Authority 1: [Madison Code of Ordinances § 30.01 et seq.](#)

Summary:

Although the state of Wisconsin does not have any specific laws for contractors dealing with renewable energy, the City of Madison has issued rules for contractor licensing and equipment standards for solar thermal installations. In the City's Heating, Ventilating and Air Conditioning Code is a requirement for a Class A-4 license for "a person desiring to enter into the business of

installing, altering or repairing active solar heating equipment" as well as fee and examination details. As a result of a 2008 amendment ([Ordinance No. 08-00122](#)), the A-4 certification is not required if the contractor is certified as a solar thermal installer by the North American Board of Certified Energy Practitioners (NABCEP). In addition, the MadiSUN program website notes that single-family homeowners installing systems on their own owner-occupied homes may perform the work themselves and do not require the otherwise applicable licenses.

In addition, installation standards for solar thermal equipment cover subjects such as orientation of the collector, system configuration, material degradation, sensors, piping and insulation, fluids, storage, monitoring and manuals. The 2008 legislation made certain changes to these standards in order to bring them up to date with current technology and practices (Madison Code of Ordinances § 30.05).

The city of Madison operates the MadiSUN Program with a goal of doubling the number of solar hot water and solar electric (PV) systems in the city. Individuals interested in owning a solar energy system can enlist the services of a Solar Agent through this program to help guide them through the process.

Contact:

MadiSUN Program
City of Madison
215 Martin Luther King, Jr. Blvd.
Madison , WI 53703
Phone: (608) 243-0586
E-Mail: solar@cityofmadison.com
Web Site: <http://www.cityofmadison.com/Sustainability/City/madiSUN/index.cfm>

Energy Efficiency Resource Standard

Last DSIRE Review: 03/10/2011

Program Overview:

| | |
|-----------------------------------|---|
| State: | Wisconsin |
| Incentive Type: | Energy Efficiency Resource Standard |
| Eligible Efficiency Technologies: | Custom/Others pending approval |
| Applicable Sectors: | Utility, Investor-Owned Utility |
| | 2011: 0.75% reduction of projected sales* |
| Electric Sales Reduction | 2012: 1.0% reduction |
| | 2013: 1.25% reduction |
| | 2014: 1.5% reduction |
| Electric Peak Demand Reduction | 2011: 0.75% reduction of projected load* |

2012: 1.0% reduction
2013: 1.25% reduction
2014: 1.5% reduction
2011: 0.50% reduction of projected sales*
2012: 0.75% reduction
2013: 1.0% reduction
2014: 1.0% reduction

Rate Impact Parameters

Yes

Authority 1: [2005 Wisconsin Act 141](#)

Date Enacted: 03/17/2006

Date Effective: 07/01/2007

Authority 2: [Wis. Stat. § 196.374](#)

Authority 3: [PSC Docket 5-GF-191 Order](#)

Date Enacted: 11/09/2010

Summary:

In March 2006, Wisconsin enacted Act 141 (2005), which requires the commission to revise goals, priorities, and measurable targets for energy efficiency programs every 4 years. An Order issued by the Public Service Commission (PSC) in November 2010 set annual targets for electricity and natural gas reductions for the first 4-year planning period (2011-2014). Funding is provided by ratepayers to the utilities' statewide energy efficiency program (Focus on Energy) in order to achieve these goals, with the funding levels increasing each year.

*Each year, the target is a percentage reduction of projected sales or load for that year.

- For projected electric sales, the base level is the average of historical sales over the past three years (2008-2010) and the projected sales for 2011 is the base level times a growth rate of 1%. For each subsequent year, the projected sales is the previous year's sales times a growth rate of 1%.
- For projected natural gas sales, the base level is the average of historical sales over the past three years, and the projected sales is the same as the base level.
- For peak demand, the base level is the average of historical coincident peak demand over the most recent three years. Projected demand for 2011 is the base level times a 1.5% growth rate. For each subsequent year, the projected peak demand is the demand of the previous year times a growth rate of 1.5%.

Contact:

Public Information - PSC
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610 North Whitney Way
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Phone: (608) 266-5481

Phone 2: (888) 816-3831
Fax: (608) 266-3957
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Jolene Sheil
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610 North Whitney Way, P.O. Box 7854
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Energy Efficiency and Green Building Standards for State Buildings

Last DSIRE Review: 04/08/2011

Program Overview:

| | |
|--|---|
| State: | Wisconsin |
| Incentive Type: | Energy Standards for Public Buildings |
| Eligible Efficiency Technologies: | Comprehensive Measures/Whole Building, Yes; specific technologies not identified |
| Eligible Renewable/Other Technologies: | Passive Solar Space Heat, Solar Water Heat, Solar Space Heat, Photovoltaics, Wind, Biomass, Geothermal Heat Pumps, CHP/Cogeneration, Bio-gas, Daylighting, Small Hydroelectric |
| Applicable Sectors: | State Government |
| Goal: | 10% reduction by Fiscal Year (FY) 2008 and 20% by FY 2010 in energy use in state buildings, based on the FY 2005 state energy baseline Equipment must meet standards that meet or exceed federal EPA standards, federal energy management standards, and/or standards established by the American society of heating, refrigerating, and air-conditioning engineers. |
| Equipment/Products: | |
| Requirement: | Use of LEED or comparable guidelines for all new buildings, additions and retrofit projects for state buildings |
| Web Site: | http://www.doa.state.wi.us/category.asp?linkc... |
| Authority 1: | S.B. 459 |
| Date Enacted: | 03/17/2006 |
| Date Effective: | 04/01/2006 |
| Authority 2: | Executive Order No. 145 |
| Date Enacted: | 04/11/2006 |
| Summary: | |

In March, 2006, Wisconsin enacted SB 459, the Energy Efficiency and Renewables Act. With respect to energy efficiency, this bill requires the Department of Administration (DOA) to prescribe and annually review energy efficiency standards for all equipment for heating, ventilation, air conditioning, water heating or cooling, lighting, refrigeration, or other function that consumes energy. These standards must meet or exceed federal EPA standards, federal energy management standards, and standards established by the American Society of Heating, Refrigerating, and Air-conditioning Engineers. The DOA will ensure that all buildings and equipment purchased for those buildings maximize energy efficiency to the extent technically and economically feasible. No purchasing agency or authority may purchase equipment that does not meet these requirements.

Each of the six largest state agencies is required to submit a biannual report detailing plans for energy cost reduction in the facilities it occupies, and the DOA institutes rules promoting energy conservation in the energy conservation code. Geothermal technologies in space and water heating must also be used whenever technically and economically feasible.

Executive Order No. 145, also issued in 2006, directs the DOA to set energy efficiency goals (contained in the web site above) for state facilities, office buildings, complexes, and campuses for fiscal years 2007, 2008, and 2009. These goals will reduce overall energy use per square foot by 10% by 2008 and 20% by 2010, based on the fiscal year (FY) 2005 adjusted for weather. New state facilities are required to be 30% more efficient than commercial code. In addition, state agencies must examine the feasibility of energy performance contracting.

According to the Department of Administration's [FY 2010 Energy Use Report](#), state agencies and universities reduced energy use per square foot by 9.8% in FY 2010 compared to FY 2005. Sustainable building guidelines based on the Leadership in Energy and Environmental Design (LEED*) rating system that recognize the use of forest products certified by the Forest Stewardship Council (FSC), American Tree Farm System (ATFS), and Sustainable Forest Initiative (SFI) apply to the planning, design, construction, operation, and maintenance of all new construction, additions, and retrofit projects in state buildings. Click [here](#) to view the most recent revision of the DOA's Sustainable Facilities Design Guidelines.

**Click [here](#) for more information on the United States Green Building Council's Leadership in Energy and Environmental Design (LEED) Green Building Rating System.*

Contact:

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E-Mail: cheryl.rezabek@wisconsin.gov

Web Site: <http://www.doa.state.wi.us/category.asp?linkcatid=773&linkid=58&locid=4>

Madison - Green Power Purchasing

Last DSIRE Review: 10/05/2010

Program Overview:

| | |
|--|---|
| State: | Wisconsin |
| Incentive Type: | Green Power Purchasing |
| Eligible Renewable/Other Technologies: | Photovoltaics, Wind |
| Applicable Sectors: | Local Government |
| Renewables % or Amount: | 25% |
| Source: | Wind, PV |
| Web Site: | http://www.cityofmadison.com/Sustainability/C... |
| Authority 1: | City Resolution 07-00343 |
| Date Enacted: | 03/20/2007 |
| Date Effective: | 03/20/2007 |

Summary:

In 1999, Madison's Metro Maintenance & Administration Facility began purchasing 25% of its electricity from Madison Gas & Electric's wind power program. The additional cost to purchase the wind power is approximately \$26,000 per year. Metro officials estimate that their wind power purchase is equivalent to running ten buses per year with no carbon monoxide emissions. In 2005, the city established a goal to increase the entire city's electricity purchases to 10% renewable energy by 2006 and 20% renewable energy by 2010.

More recently, on March 20, 2007 the City of Madison Common Council passed a resolution to purchase 10% of its electricity from renewable sources in 2007 and 20% by 2011. The city budget was amended to make available \$17,000 for the purchase of renewable energy credits (RECs), with a stated preference for those originating in Dane and Madison counties. City personnel have indicated that Madison is currently exceeding the 20% goal, purchasing a total of 25% of the city's electricity needs from renewable energy sources through the Madison Gas and Electric Green Power Tomorrow program. The electricity for this program is sourced from wind farms in Wisconsin and Iowa, as well as some local photovoltaic (PV) installations. In addition, the Monona Terrace Convention Center and the Metro Transit facility purchase additional renewable energy through the Madison Gas and Electric Green Power Tomorrow program for a total of 50% renewable energy for both facilities.

In the same legislation as the city-wide green power purchase, the Common Council resolved to encourage community participation in renewable energy programs through its own Clean Energy

Challenge Program, with a goal of being recognized as an EPA Green Power Partner (consumer purchases of green electricity amounting to 2% of total consumption).

Contact:

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215 Martin Luther King, Jr. Blvd.
Madison , WI 53703
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E-Mail: jhoffman@cityofmadison.com
Web Site: <http://www.cityofmadison.com/Sustainability/index.cfm>

Wisconsin - Green Power Purchasing

Last DSIRE Review: 07/20/2010

Program Overview:

| | |
|--|---|
| State: | Wisconsin |
| Incentive Type: | Green Power Purchasing |
| Eligible Renewable/Other Technologies: | Solar Thermal Electric, Photovoltaics, Wind, Biomass, Hydroelectric, Geothermal Electric, Tidal Energy, Wave Energy, Fuel Cells using Renewable Fuels |
| Applicable Sectors: | State Government |
| Renewables % or Amount: | 20% by 12/31/11 |
| Source: | Wind, Solar, Hydro, Landfill gas |
| Authority 1: | Wis. Stat. § 16.75(12) |
| Date Enacted: | 03/17/2006 |

Summary:

Under terms of legislation (SB 459) enacted in March 2006, Wisconsin's Departments of Administration, Corrections, Health and Family Services, Public Instruction, Veterans Affairs, and the Board of Regents of the University of Wisconsin System have a goal of purchasing or generating 10% of their power from renewable energy by December 31, 2007, and 20% by December 31, 2011. In July 2008 the Governor announced that the state had completed a green electricity purchase of 92,400 Megawatt-hours (MWh), equivalent to roughly 10% of the annual electricity consumption of the agencies covered by the mandate.

Eligible resources include tidal and wave power, fuel cells using renewable fuels, hydropower facilities less than 60 megawatts (MW), solar thermal-electric systems, photovoltaics (PV), wind, geothermal, biomass, and any other non-conventional energy resources deemed eligible by the state Public Service Commission.

According to the statute, agencies are not required to generate or purchase electricity derived from renewables if the generation or purchase of renewables is not technically feasible or cost-effective. Click [here](#) for further information on the recent green power purchase.

Contact:

Brian Driscoll
Office of Energy Independence
201 W. Washington Ave., 3rd Floor
Madison, WI 53703
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Phone 2: (608) 261-8427
E-Mail: brian.driscoll@wisconsin.gov
Web Site: <http://www.energyindependence.wi.gov/>

Interconnection Standards

Last DSIRE Review: 12/06/2010

Program Overview:

State: Wisconsin

Incentive Type: Interconnection

Eligible Renewable/Other Technologies: Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass, Hydroelectric, Geothermal Electric, Fuel Cells, Municipal Solid Waste, CHP/Cogeneration, Microturbines, Other Distributed Generation Technologies

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

Applicable Utilities: Investor-owned utilities, municipal utilities

System Capacity Limit: 15 MW

Standard Agreement: Yes

Insurance Requirements: Vary by system size and/or type; levels established by PSC

External Disconnect Switch: Required

Net Metering Required: No

Web Site: <http://psc.wi.gov/utilityinfo/electric/distri...>

Authority 1: [Wis. Stat. § 196.496](#)

Date Enacted: 08/30/2001
Authority 2: [Chapter PSC 119](#)
Date Effective: 02/01/2004

Summary:

In February 2004, the Wisconsin Public Service Commission adopted interconnection standards for distributed generation (DG) systems up to 15 megawatts (MW) in capacity. All investor-owned utilities (IOUs) and municipal utilities are required to abide by the standard provisions. (Electric cooperatives are encouraged -- but not required -- to adopt the state standards.) The rules categorize DG systems by capacity and provide for several levels of interconnection review, as follows:

- Category 1: 20 kilowatts (kW) or less
- Category 2: larger than 20 kW, but no larger than 200 kW
- Category 3: larger than 200 kW, but no larger than 1 MW
- Category 4: larger than 1 MW, but no larger than 15 MW

The PSC has published two sets of standard forms for interconnection, available on the program web site. One set pertains to systems smaller than 20 kW while the second set applies to larger systems up to the maximum size of 15 MW. The PSC also maintains a list of utility interconnection contacts on their Distributed Generation web site. The Wisconsin Distributed Resources Collaborative (WIDRC) has published a set of [interconnection guidelines](#) that offer some additional details on the interconnection process.

Generally speaking, Wisconsin's interconnection requirements become more stringent as the system size increases. The rules apply to all public utilities. The 20-kW dividing line between Category 1 and Category 2 installations corresponds to the maximum individual system capacity allowed under the state's net-metering rules. Systems that qualify for net metering are not considered commercial ventures that require commercial liability insurance.

Minimum liability insurance of at least \$300,000 per occurrence is required for systems 20 kW and smaller (Category 1) with higher amounts for larger systems based on the category of review under which they fall. However, the law also permits applicants to prove financial responsibility using a negotiated agreement with the utility in lieu of the insurance requirements. Additionally, Category 2-4 facilities must name the utility as an additional insured party in the insurance policy.

Application and study fees vary by category, but systems 20 kW and smaller are not required to pay any fees for application reviews, engineering reviews, or distribution system studies. Facility owners are permitted to file an appeal with the PSC if they believe they are being held to unreasonable requirements, but the rules provide do not provide any guidance on how such appeals will be addressed.

Contact:

Public Information - PSC

Public Service Commission of Wisconsin
610 North Whitney Way
P.O. Box 7854
Madison, WI 53707-7854
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Phone 2: (888) 816-3831
Fax: (608) 266-3957
Web Site: <http://psc.wi.gov/>

Net Metering

Last DSIRE Review: 12/06/2010

Program Overview:

State: Wisconsin
Incentive Type: Net Metering
Eligible Renewable/Other Technologies: Solar Thermal Electric, Photovoltaics, Wind, Biomass, Hydroelectric, Geothermal Electric, Municipal Solid Waste, CHP/Cogeneration, Small Hydroelectric, Other Distributed Generation Technologies
Applicable Sectors: Commercial, Industrial, Residential
Applicable Utilities: Investor-owned utilities, municipal utilities
System Capacity Limit: 20 kW (100 kW for wind for We Energies customers)
Aggregate Capacity Limit: No limit specified
Net Excess Generation: Generally credited to customer's next bill at retail rate for renewables and avoided-cost rate for non-renewables
REC Ownership: Not addressed
Meter Aggregation: Not addressed
Web Site: <http://psc.wi.gov/apps/tariffs/content/elelis...>
Authority 1: PSCW Order, Docket No. 05-EP-6
Date Enacted: 09/18/1992

Summary:

The Public Service Commission of Wisconsin (PSC) issued an order on January 26, 1982, requiring all regulated utilities to file tariffs allowing net metering to customers that generate electricity with systems up to 20 kilowatts (kW) in capacity. The order applies to investor-owned utilities and municipal utilities, but not to electric cooperatives. All distributed-generation (DG) systems, including renewables and combined heat and power (CHP), are eligible. There is no limit on total enrollment.

The PSC has not adopted administrative rules for net metering.* Utilities' net-metering tariffs

contain some variations. Customer net excess generation (NEG) is generally credited at the utility's retail rate for renewables, and at the utility's avoided-cost rate for non-renewables. NEG credit is carried over to the customer's next bill. If NEG credit exceeds \$25, then the utility must issue a check for the amount, payable to the customer.

** Subsequent PSC decisions issued June 21, 1983, in docket numbers 05-ER-11, 05-ER-12 and 05-ER-13, further implemented Sections 201 and 210 of the federal Public Utility Regulatory Policy Act of 1978 (PURPA). These decisions were confirmed by an order issued September 18, 1992, in docket number 05-EP-6. This last order addresses net metering as it applies to Wisconsin's investor-owned utilities.*

Contact:

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Madison, WI 53707-7854
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Phone 2: (888) 816-3831
Fax: (608) 266-3957
Web Site: <http://psc.wi.gov/>

Focus on Energy Program

Last DSIRE Review: 08/24/2010

Program Overview:

| | |
|--|---|
| State: | Wisconsin |
| Incentive Type: | Public Benefits Fund |
| Eligible Efficiency Technologies: | Yes; specific technologies not identified |
| Eligible Renewable/Other Technologies: | Solar Water Heat, Photovoltaics, Wind, Biomass, Hydroelectric, Geothermal Electric, Geothermal Heat Pumps, Solar Pool Heating, Anaerobic Digestion, Tidal Energy, Wave Energy, Fuel Cells using Renewable Fuels |
| Applicable Sectors: | Commercial, Industrial, Residential, Nonprofit, Schools, Local Government, State Government, Tribal Government, Fed. Government, Multi-Family Residential, Agricultural, Institutional |
| Types: | Renewables, energy efficiency |
| Total Fund: | ~\$83 million (2010), approximately 9.9% allocated for renewable energy |
| Charge: | Each utility is required to spend 1.2% of its annual operating revenue on |

efficiency and renewables.

Web Site: <http://www.focusonenergy.com>
Authority 1: [Wis. Stat. § 196.374](#)
Date Enacted: 03/17/2006 (Act 141 Amendments)
Date Effective: 07/01/2007 (as amended)
Authority 2: [Chapter PSC 137](#)
Date Effective: 08/01/2007

Summary:

The Wisconsin Focus On Energy program supports statewide programs that promote energy efficiency and renewable energy*. The program was initially created by Act 9 of 1999 as a public benefit fund (PBF), which also included provided energy assistance programs for low-income residents (the [Home Energy Plus Program](#)). Focus On Energy was restructured in March 2006 by S.B. 459 (2005 Act 141). This law, most of which took effect July 1, 2007, replaced existing renewable energy and energy efficiency PBF programs with programs that utilities create and fund through contracts with private program administrators, with oversight and approval by the PSC. Because Act 141 requires utilities to pay directly for programs, the state will not be able to transfer or otherwise use these funds for general obligations. (From 2002 to 2006, the governor and legislature transferred or reallocated more than \$108 million from the PBF to the state's general fund or for other uses.) Thus Focus On Energy is no longer precisely a state public benefits program, although it remains a statewide program that serves many of the same purposes that PBFs serve in other states.

Wisconsin utilities contract with the Wisconsin Energy Conservation Corporation (WECC), which administers the residential, business and renewable energy programs. The Energy Center of Wisconsin administers the Environmental and Economic R&D program. Collectively, the energy efficiency, renewable energy, and research components comprise the Focus on Energy initiative. Focus on Energy provides information, financial assistance, technical assistance and other services to residents, businesses, schools, institutions and local governments. Financial assistance takes the form of rebates, grants and loans.

Under Act 141, each electric utility and natural gas utility is required to spend 1.2% of the latest 3-year average of its gross operating revenue on energy-efficiency programs and renewable-resource programs. The PSC is authorized to specify a higher funding level and utilities will recover the cost through rates. With PSC approval, a utility may retain a certain portion of the revenue it is required to spend on statewide programs to administer or fund a new energy-efficiency program for the utility's large commercial, industrial, institutional or agricultural customers. The 2009 total Focus On Energy budget is approximately \$94 million.

"Large energy customers" may implement and fund an energy-efficiency project or a renewable-energy project and, with PSC approval, may deduct the cost from the amount the customer is required to pay its utility for cost recovery. The utility, in turn, deducts that amount from the amount that it is required to spend on statewide or utility-administered programs. A "large energy customer" is defined as a customer that has a monthly energy demand of at least 1,000 kilowatts or 10,000 therms of natural gas and, in any month, has been billed at least \$60,000 for electricity or natural gas -- or both -- for all its facilities within a utility's service territory.

The state's municipal utilities and electric cooperatives have the option of participating in the state program or operating their own "commitment-to-community" programs, which are similar to Focus on Energy. There is a cap on fees for these programs of the lesser of \$375 per month or 1.5% of the total other monthly charges. The PSC does not oversee "commitment-to-community" programs, but Act 141 does require cooperatives and municipal utilities to submit annual program audit reports to the PSC. These programs remain otherwise unaffected by the Act 141 amendments.

History

The original PBF legislation required utilities to fund energy-efficiency programs and renewable-energy programs through (1) a public benefits fee that utilities collect directly from customers and (2) mandatory utility "contributions," which utilities recover from customers in rates. The amount of the charge was based on levels of utility expenditures for energy programs prior to the enactment of Act 9. The fee generated approximately \$16 million annually, and the charge generated approximately \$46 million annually. In fiscal year 2005, these two sources of revenue generated a combined total of \$62.9 million for renewables and efficiency. In addition, the state's five major investor-owned utilities administered and funded several related programs required by the Public Service Commission of Wisconsin (PSC). In 2004, the five utilities spent a combined total of approximately \$38.8 million on these programs, which included energy-efficiency projects, renewable-energy projects, load management, and related measures.

**The definition of "renewable resource" under Wis. Stat. § 196.374 includes solar, wind, water power (i.e., hydroelectric), biomass, geothermal, tidal or wave, and fuel cells that use renewable fuels. However, at present Focus On Energy does not offer incentives for all of these technologies. Please see the individual listings on the program website for detailed eligibility information.*

Contact:

Focus on Energy
431 Charmany Dr.
Madison, WI 53719
Phone: (800) 762-7077
Fax: (608) 249-0339
E-Mail: focusinfo@focusonenergy.com
Web Site: <http://www.focusonenergy.com>

Renewable Portfolio Standard

Last DSIRE Review: 05/20/2010
Program Overview:

State: Wisconsin
 Incentive Type: Renewables Portfolio Standard
 Eligible Renewable/Other Technologies: Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Thermal Process Heat, Photovoltaics, Landfill Gas, Wind, Biomass, Hydroelectric, Geothermal Electric, Geothermal Heat Pumps, Municipal Solid Waste, Solar Light Pipes, Solar Pool Heating, Anaerobic Digestion, Tidal Energy, Wave Energy, Fuel Cells using Renewable Fuels, Geothermal Direct-Use
 Applicable Sectors: Municipal Utility, Investor-Owned Utility, Rural Electric Cooperative
 Standard: Statewide target of 10% by 2015; requirement varies by utility
 Technology Minimum: No
 Credit Trading: Yes (M-RETS); limitations apply
 Credit Transfers Accepted From: None
 Credit Transfers Accepted To: M-RETS into MIRECS, NAR, NC-RETS
 Web Site: <http://psc.wi.gov/utilityInfo/electric/renewa...>
 Authority 1: [Wis. Stat. § 196.378](#)
 Date Enacted: 10/27/1999 (subsequently amended)
 Date Effective: 12/31/2001
 Authority 2: [Chapter PSC 118](#)
 Date Effective: 06/01/2007
 Authority 3: [S.B. 273](#)
 Date Enacted: 05/19/2010
 Date Effective: 06/03/2010

Summary:

In 1998 Wisconsin enacted Act 204, requiring regulated utilities in eastern Wisconsin to install to an aggregate total of 50 MW of new renewable-based electric capacity by December 31, 2000. In October 1999 Wisconsin enacted Act 9, becoming the first state to enact a renewable portfolio standard (RPS) without having restructured its electric-utility industry. Wisconsin's RPS originally required investor-owned utilities and electric cooperatives to obtain at least 2.2% of the electricity sold to customers from renewable-energy resources by 2012. Legislation ([S.B. 459](#)) enacted in March 2006 increased renewable-energy requirements and established an overall statewide renewable-energy goal of 10% by December 31, 2015. The requirements are as follows:

- For the years 2006, 2007, 2008 and 2009, each utility -- including municipal utilities -- may not decrease its renewable-energy percentage below the utility's average renewable-energy percentage for 2001, 2002 and 2003.
- For the year 2010, each utility must increase its renewable-energy percentage by at least two points above the utility's average renewable-energy percentage for 2001, 2002 and 2003.
- For the years 2011, 2012, 2013 and 2014, each utility may not decrease its renewable-energy percentage below the utility's renewable-energy percentage for 2010.

- For the year 2015, each utility must increase its renewable-energy percentage by at least six points above the utility's average renewable-energy percentage for 2001, 2002 and 2003.
- For each year after 2015, each utility may not decrease its renewable-energy percentage below the utility's renewable-energy percentage for 2015.

Electric providers, wholesale suppliers and customers of electric providers may petition the PSC for a one-year extension of a compliance deadline. By June 1, 2016, the Wisconsin Public Service Commission (PSC) must determine if the state has met a renewable-energy goal of 10% by December 31, 2015. If the goal has not been achieved, the PSC must indicate why the goal was not achieved and must determine how it may be achieved.

Qualifying electricity generating resources include tidal and wave action, fuel cells using renewable fuels, solar thermal electric and photovoltaics (PV), wind power, geothermal, hydropower less than 60 megawatts, and biomass (including landfill gas). In May 2010, the RPS was amended by S.B. 273 to allow solar, geothermal, biomass and biogas resources that produce a measurable and verifiable displacement of conventional electricity resources to also qualify as eligible resources. Furthermore, the new law permits electricity generated (or electricity displacement) by certain waste resource technologies to qualify for the standard. Renewable energy generated outside of Wisconsin is eligible, but the electricity must be used to meet a provider's retail load obligation in Wisconsin (i.e., it must be delivered to Wisconsin customers).

Electricity generated by hydropower receives special treatment. Utilities receive credit for the sum of (1) all hydropower purchased in a reporting year, (2) the average of the amounts of hydropower generated by facilities owned or operated by the utility for 2001, 2002 and 2003, adjusted to reflect the permanent removal from service of any of those facilities and adjusted to reflect any capacity increases from improvements made after January 1, 2004; and (3) the amount of hydropower generated in the reporting year by facilities owned or operated by the electric provider that are initially placed in service on or after January 1, 2004.

A Renewable Resource Credit Program has been established, enabling utilities to buy and sell "renewable resource credits" (RRCs)* from one another for any electricity generated in excess of the percentage specified for a given year. Credits also may be used in subsequent years. Existing installations that qualify as renewable energy resources are eligible to be counted towards a utility's compliance, however, only generation capacity (including incremental additions at existing installations) added after January 1, 2004 is eligible to generate tradable RRCs. An RRC created before January 1, 2004 may be used for compliance until December 31, 2011, after which it will expire. An RRC generated after January 1, 2004 may be used for compliance up to 4 years after the year in which it was created.

The Wisconsin PSC was one of principal developers of the Midwest Renewable Energy Tracking System (M-RETS) to be used for this purpose. Public reports detailing utility progress under the RRC program are available [here](#) on the M-RETS website.

* *These credits are known as "renewable energy credits" (RECs) in most other states.*

Contact:

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610 North Whitney Way
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Madison, WI 53707-7854
Phone: (608) 266-5481
Phone 2: (888) 816-3831
Fax: (608) 266-3957
Web Site: <http://psc.wi.gov/>

Madison - Solar & Wind Access and Planning Laws

Last DSIRE Review: 01/04/2011

Program Overview:

| | |
|--|---|
| State: | Wisconsin |
| Incentive Type: | Solar/Wind Access Policy |
| Eligible Renewable/Other Technologies: | Passive Solar Space Heat, Solar Water Heat, Solar Space Heat, Photovoltaics, Wind |
| Applicable Sectors: | Construction |
| Web Site: | http://www.cityofmadison.com/Sustainability/C... |
| Authority 1: | Madison Code of Ordinances § 16.23(8) |
| Authority 2: | Madison Code of Ordinances § 28.04(18) |
| Date Effective: | 11/22/2008 |

Summary:

Madison, Wisconsin, has established several local laws to facilitate the planning and permitting of solar and wind systems. The planning guidelines are specific to solar, while the permitting laws and procedures include wind as well.

Planning

To facilitate solar access, Madison's land subdivision regulations require streets to be "oriented in an east-west direction to the maximum extent possible or to within 20 degrees of such orientation." There are some exceptions based on topography, property size and shape, existing street patterns, and other considerations. In addition, subdivision lots should be oriented to maximize solar access for the buildings on them, and open space lots within subdivisions should be placed "where the location of open space lands provide greater achievement of solar access objectives and requirements of the entire subdivision." Finally, "the installation of trees shall take into account solar access objectives...so as to minimize future shading of the most southerly side of contemplated building locations."

Solar and Wind Access

In Wisconsin, a [state solar and wind access law](#) defines how local governments are permitted to regulate solar and wind energy systems. In 2008 the city of Madison adopted revisions ([Ordinance No. 08-00122](#)) to their existing zoning ordinance in order to bring them in line with state law. The revised ordinance permits solar and wind energy systems as accessory uses in all zoning districts with approval of the Department of Planning and Community and Economic Development. The ordinance also contains additional language describing some details of the approval process, planning requirements, and setbacks for wind energy systems.

The city operates the MadiSUN Program, which includes a goal of doubling the number of solar hot water and solar-electric (PV) systems. Individuals interested in owning a solar energy system can enlist the services of a "solar agent" through this program to help guide them through the process.

Contact:

MadiSUN Program
City of Madison
215 Martin Luther King, Jr. Blvd.
Madison , WI 53703
Phone: (608) 243-0586
E-Mail: solar@cityofmadison.com
Web Site: <http://www.cityofmadison.com/Sustainability/City/madiSUN/index.cfm>

Solar and Wind Rights

Last DSIRE Review: 03/09/2011

Program Overview:

| | |
|--|---|
| State: | Wisconsin |
| Incentive Type: | Solar/Wind Access Policy |
| Eligible Renewable/Other Technologies: | Passive Solar Space Heat, Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Thermal Process Heat, Photovoltaics, Wind |
| Applicable Sectors: | Commercial, Industrial, Residential, General Public/Consumer, Nonprofit, Schools, Local Government, State Government, Fed. Government |
| Authority 1: | Wis. Stat. § 66.0401 et seq. |
| Date Effective: | 1982 (wind added in 1993) |
| Authority 2: | Wis. Stat. § 700.41 |
| Date Effective: | 1982 (wind added in 1993) |
| Authority 3: | Wis. Stat. § 236.292 |
| Date Effective: | 1993 |

Authority 4: [Wis. Stat. § 844.22](#)
Date Effective: 1993

Summary:

Wisconsin has several laws that protect a resident's right to install and operate a solar or wind energy system. These laws cover zoning restrictions by local governments, private land use restrictions, and system owner rights to unobstructed access to resources. Wisconsin permitting rules and model policy for small wind can be found [here](#). The state's original laws, enacted in 1982, have subsequently been amended and expanded numerous times.

Limitations on local zoning restrictions

First, under Wis. Stat. § 66.0401, local governments -- counties, towns, cities and villages -- may not place any restriction on the installation or use of solar or wind energy systems unless the restriction:

- serves to preserve or protect public health or safety
- does not significantly increase system cost or efficiency
- allows for an alternative system of comparable cost and efficiency

This law effectively prohibits unreasonable public land use controls covering solar and wind energy systems by defining a fairly narrow set of "reasonable" conditions. The law subsequently allows for a local permitting procedure for guaranteeing unobstructed access to wind or solar resources. A permit will not be granted if obstruction already exists or if the construction of such an obstruction is already well into the planning stages. The effect of the permit is similar to a private solar easement agreement, except it does not require the consent of a neighboring property owner. It is important to note that system owners *are not* required to obtain a permit under this subsection prior to installing a solar or wind energy system. If a permit is necessary as the result of a local zoning ordinance, the permitting burden may not deviate from Wis. Stat. § 66.0401 as described above.

Limitations on private land use restrictions

A separate law, Wis. Stat. § 236.292, voids all restrictions on platted land that prevent or unduly restrict the construction or operation of solar and wind energy systems. This law effectively prohibits private land use controls (e.g., deed restrictions, homeowner association regulations, easements, etc.) from preventing the installation and operation of wind and solar energy systems. In the case of both access laws - public and private - solar energy systems are defined broadly to include both thermal and electrical technologies.

Right to sun and wind

Other sections of Wisconsin law address a solar or wind system owner's right to retain unobstructed access to the wind or sun. Wis. Stat. § 700.41 effectively freezes the permitted building envelope of properties adjacent to a solar or wind system to whatever it was at the time the system was constructed. This allows the system owner to construct a system based on existing zoning regulations and be certain that future zoning amendments and development will

not render the system ineffective. Separately, Wis. Stat. § 844.22 states that any structure or vegetative growth that occurs after the installation of a solar or wind energy system and interferes with its function is considered to be a private nuisance. The purpose of this law is to provide system owners with a remedy to prevent interference with their systems in a situation where none of the other statutory protections can be applied. The right to unobstructed resource access can only be applied to actions that take place after a system is constructed.

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Web Site: <http://psc.wi.gov/>

Wisconsin - Wind Siting Rules and Model Small Wind Ordinance

Last DSIRE Review: 03/09/2011

Program Overview:

| | |
|--|---|
| State: | Wisconsin |
| Incentive Type: | Solar/Wind Permitting Standards |
| Eligible Renewable/Other Technologies: | Wind |
| Applicable Sectors: | Commercial, Industrial, Residential, General Public/Consumer, Nonprofit, Schools, Local Government, State Government, Fed. Government |
| Authority 1: | Wis. Stat. § 66.0401 et seq. |
| Date Effective: | 1982 (wind added in 1993) |
| Authority 2: | 2009 Wisconsin Act 40 |
| Date Enacted: | 9/30/2009 |
| Authority 3: | Wisconsin Administrative Code Chapter PSC 128 |
| Date Enacted: | 12/10/2010 |

Summary:

Permitting Rules

In September 2009, the Governor of Wisconsin signed S.B. 185 (Act 40) directing the Wisconsin Public Service Commission (PSC) to establish statewide wind energy siting rules. [PSC Docket 1-](#)

[AC-231](#) was created to conduct the rulemaking, requiring the PSC to convene an advisory council composed of various interested stakeholders (e.g. developers, political subdivisions, environmental groups, landowners, etc.). In December 2010, the Commission adopted the wind siting rules (PSC 128). The rules were scheduled to take effect on March 1, 2011, but on that date, the Joint Committee for the Review of Administrative Rules voted to suspend the rules indefinitely.

Model Policy

In order to assist counties, towns, and municipalities in interpreting Wisconsin's [wind access laws](#), chiefly Wis. Stat. § 66.0401, the state of Wisconsin has developed a [Model Small Wind Ordinance](#) which suggests appropriate zoning language for wind energy systems of 100 kilowatts (kW) or less. In the model, small wind systems are treated as a permitted use. The document includes specific language on details such as setbacks from public roads, dwellings, and property lines which can be considered directly relevant to preserving public health and safety.

Contact:

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