



North Carolina Chillers / Thermal Storage Incentive Application

Questions? Call 1-866-380-9580 or visit www.duke-energy.com.

Mail **original**, signed application and required documents to: Duke Energy • 431 Charmany Drive • Madison, WI 53719 or fax to 1-866-908-4921

Building Type – Required (check one)		
<input type="checkbox"/> Data Centers	<input type="checkbox"/> Full Service Restaurant	<input type="checkbox"/> Office
<input type="checkbox"/> Education/K-12	<input type="checkbox"/> Healthcare	<input type="checkbox"/> Public Assembly/Church
<input type="checkbox"/> Education Other	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Order/Safety
<input type="checkbox"/> Elder Care/Nursing Home	<input type="checkbox"/> Lodging	<input type="checkbox"/> Religious Worship
<input type="checkbox"/> Food Sales/Grocery	<input type="checkbox"/> Retail (Non-mall)	<input type="checkbox"/> Service
<input type="checkbox"/> Fast Food Restaurant	<input type="checkbox"/> Retail (Mall)	<input type="checkbox"/> Warehouse
<input type="checkbox"/> Other:		

Please check each box to indicate completion of the following program requirements:

<input type="checkbox"/> All sections of application	<input type="checkbox"/> Invoice with make, model number, quantity and equipment manufacturer	<input type="checkbox"/> Tax ID number for payee	<input type="checkbox"/> Customer/vendor agree to Terms and Conditions
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Customer Information				
Customer/Business		Contact		
Phone		Account Number		
Street Address (Where incentive should be mailed)				
City		State		Zip Code
Installation Street Address				
City		State		Zip Code
E-mail Address				

Vendor Information				
Vendor		Contact		
Phone		Fax		
Street Address				
City		State		Zip Code
E-mail Address				

If Duke Energy has questions about this application, who should we contact? Customer Vendor

Payment Information		
Who should receive incentive payment?	<input type="checkbox"/> Customer	<input type="checkbox"/> Vendor (Customer must sign below)
I hereby authorize payment of incentive directly to the vendor:	Customer Signature (written signature)	
	Date	
Provide Tax ID Number for Payee	Customer Tax ID #	
	Vendor Tax ID #	

Terms and Conditions			
I have read and hereby agree to the Terms & Conditions and Program Requirements as stated in this form.			
Customer Signature (written signature)		Vendor Signature (written signature)	
Date		Date	
Title		Title	

Incentives are subject to change and may be discontinued at the sole discretion of Duke Energy. Equipment must be installed and operable to be eligible for incentives. As Federal Energy Policy Law changes, equipment efficiency requirements are subject to change.

The Equipment below is (check one): New Equipment Retrofit Equipment Replace Failed Equipment

See Page 4 of form for required efficiency levels and equipment eligibility

Air Cooled Chillers

Make/Model # Reciprocal/Scroll/Screw Type	# of Units	Tons/Unit	Full-load kW/ton*	Incentive \$/ton	IPLV kW/ton*	Incentive \$/ton	Building Type	Date Installed & Operable (mm/yy)	Total Incentive

** Chiller performance and IPLV must be tested under ARI conditions - submit documentation of compliance

The Equipment below is (check one): New Equipment Retrofit Equipment Replace Failed Equipment

See Page 4 of form for required efficiency levels and equipment eligibility

Water Cooled Chillers

Description	Make/Model #	# of Units	Tons/Unit	Full-load kW/ton*	Incentive \$/ton	IPLV kW/ton*	Incentive \$/ton	Building Type	Date Installed & Operable (mm/yy)	Total Incentive
<input type="checkbox"/> Screw Chiller <input type="checkbox"/> Centrifugal Chiller										
<input type="checkbox"/> Screw Chiller <input type="checkbox"/> Centrifugal Chiller										
<input type="checkbox"/> Screw Chiller <input type="checkbox"/> Centrifugal Chiller										

* Chiller performance and IPLV must be tested under ARI conditions - submit documentation of compliance

Thermal Storage Incentives

The Equipment below is (check one): New Equipment Retrofit Equipment Replace Failed Equipment

Thermal Storage System Specifications	
Manufacturer of Thermal Storage Equipment	
Type of Thermal Storage	<input type="checkbox"/> Chilled Water <input type="checkbox"/> Ice Bank <input type="checkbox"/> Ice Harvester
Model Number	
Controls Manufacturer	
Control Strategy	<input type="checkbox"/> Demand Limiting <input type="checkbox"/> Maximum Cooling Shift
Number of Thermal Storage Units	
Partial or Full Storage	<input type="checkbox"/> Partial Storage <input type="checkbox"/> Full Storage
Demand Shifted (kW)	
Storage Capacity (Ton Hours)	
Storage Capacity (Gallons If Applicable)	
Peak Cooling Load (Tons)	
Cooled Area (sq. ft.)	
Hours of Operations M-F	
Hours of Operations Sat	
Hours of Operations Sun	
Date Installed and Operable (mm/yy)	
Thermal Storage chiller Plant Description (Manufacturer, Tonnage, Ice Making kW/ton)	
Condenser Type	<input type="checkbox"/> Air Cooled <input type="checkbox"/> Water Cooled
Premium cost for Thermal Storage (Dollars)	
Annual Electrical Operating Cost with Storage (Dollars)	
Annual Savings as a result of Thermal Storage (Dollars)	
Simple Payback including Incentive (Years)	
Total Incentive (\$190/kW shifted)	
Conventional System Specifications (For Comparison Purposes)	
Chiller Plant Description (Manufacturer, type, tonnage, ARI kW/ton)	
Chiller Demand (kW)	
Annual Electrical Operating Cost with Conventional Cooling	

Equipment Requirements

Chillers Incentive Table & ARI Rated Efficiency Requirements*

AIR COOLED CHILLERS – All Sizes

Total Incentive = Base + Additional

Reciprocal Type Chiller

Full load kW/ton	Base Incentive \$/ton	Part Load IPLV kW/ton	Additional Incentive \$/ton
1.142	\$25.00	1.046	
1.142	\$25.00	0.935	\$11.10
1.142	\$25.00	0.821	\$22.50
1.142	\$25.00	0.753	\$29.30
1.046	\$30.00	0.961	
1.046	\$30.00	0.858	\$10.30
1.046	\$30.00	0.753	\$20.80
1.046	\$30.00	0.691	\$27.00

AIR COOLED CHILLERS – All Sizes

Total Incentive = Base + Additional

Scroll/Screw Type Chillers

Full load kW/ton	Base Incentive \$/ton	Part Load IPLV kW/ton	Additional Incentive \$/ton
1.142	\$25.00	1.046	
1.142	\$25.00	0.925	\$12.00
1.142	\$25.00	0.879	\$16.70
1.142	\$25.00	0.674	\$37.20
1.046	\$30.00	0.961	
1.046	\$30.00	0.847	\$11.40
1.046	\$30.00	0.795	\$16.60
1.046	\$30.00	0.618	\$34.30

WATER COOLED CHILLERS – < 150 tons

Total Incentive = Base + Additional

Screw Type Chiller

Full load kW/ton	Base Incentive \$/ton	Part Load IPLV kW/ton	Additional Incentive \$/ton
0.79	\$5.00	0.62	
0.79	\$5.00	0.59	\$3.00
0.79	\$5.00	0.55	\$7.00
0.79	\$5.00	0.51	\$11.00
0.79	\$5.00	0.47	\$15.00
0.71	\$15.00	0.63	
0.71	\$15.00	0.56	\$7.00
0.71	\$15.00	0.53	\$10.00
0.71	\$15.00	0.50	\$13.00
0.71	\$15.00	0.46	\$17.00
0.71	\$15.00	0.43	\$20.00
0.63	\$20.00	0.56	
0.63	\$20.00	0.50	\$6.00
0.63	\$20.00	0.47	\$9.00
0.63	\$20.00	0.44	\$12.00
0.63	\$20.00	0.41	\$15.00
0.63	\$20.00	0.38	\$18.00

Centrifugal Type Chiller

0.70	\$5.00	0.57	
0.70	\$5.00	0.53	\$4.00
0.70	\$5.00	0.5	\$7.00
0.70	\$5.00	0.42	\$15.00
0.63	\$15.00	0.6	
0.63	\$15.00	0.51	\$9.00
0.63	\$15.00	0.48	\$12.00
0.63	\$15.00	0.45	\$15.00
0.63	\$15.00	0.38	\$22.00
0.56	\$20.00	0.53	
0.56	\$20.00	0.46	\$7.00
0.56	\$20.00	0.43	\$10.00
0.56	\$20.00	0.40	\$13.00
0.56	\$20.00	0.34	\$19.00

WATER COOLED CHILLERS – 150-300 tons
Total Incentive = Base + Additional
Screw Type Chiller

Full load kW/ton	Base Incentive \$/ton	Part Load IPLV kW/ton	Additional Incentive \$/ton
0.72	\$5.00	0.57	
0.72	\$5.00	0.54	\$3.00
0.72	\$5.00	0.50	\$7.00
0.72	\$5.00	0.47	\$10.00
0.72	\$5.00	0.43	\$14.00
0.65	\$15.00	0.57	
0.65	\$15.00	0.51	\$6.00
0.65	\$15.00	0.48	\$9.00
0.65	\$15.00	0.45	\$12.00
0.65	\$15.00	0.42	\$15.00
0.65	\$15.00	0.39	\$18.00
0.57	\$20.00	0.51	
0.57	\$20.00	0.45	\$6.00
0.57	\$20.00	0.43	\$8.00
0.57	\$20.00	0.40	\$11.00
0.57	\$20.00	0.37	\$14.00
0.57	\$20.00	0.34	\$17.00

Centrifugal Type Chiller

0.63	\$5.00	0.51	
0.63	\$5.00	0.48	\$3.00
0.63	\$5.00	0.45	\$6.00
0.63	\$5.00	0.38	\$13.00
0.57	\$15.00	0.54	
0.57	\$15.00	0.46	\$8.00
0.57	\$15.00	0.43	\$11.00
0.57	\$15.00	0.40	\$14.00
0.57	\$15.00	0.34	\$20.00
0.51	\$20.00	0.48	
0.51	\$20.00	0.41	\$7.00
0.51	\$20.00	0.39	\$9.00
0.51	\$20.00	0.36	\$12.00
0.51	\$20.00	0.30	\$18.00

WATER COOLED CHILLERS – >300 tons
Total Incentive = Base + Additional

Screw Type Chiller

Full load kW/ton	Base Incentive \$/ton	Part Load IPLV kW/ton	Additional Incentive \$/ton
0.64	\$5.00	0.51	
0.64	\$5.00	0.48	\$3.00
0.64	\$5.00	0.45	\$6.00
0.64	\$5.00	0.42	\$9.00
0.64	\$5.00	0.38	\$13.00
0.58	\$15.00	0.51	
0.58	\$15.00	0.45	\$6.00
0.58	\$15.00	0.43	\$8.00
0.58	\$15.00	0.4	\$11.00
0.58	\$15.00	0.37	\$14.00
0.58	\$15.00	0.35	\$16.00
0.51	\$20.00	0.46	
0.51	\$20.00	0.4	\$6.00
0.51	\$20.00	0.38	\$8.00
0.51	\$20.00	0.36	\$10.00
0.51	\$20.00	0.33	\$13.00
0.51	\$20.00	0.31	\$15.00

Centrifugal Type Chiller

0.58	\$5.00	0.47	
0.58	\$5.00	0.44	\$3.00
0.58	\$5.00	0.41	\$6.00
0.58	\$5.00	0.35	\$12.00
0.52	\$15.00	0.49	
0.52	\$15.00	0.42	\$7.00
0.52	\$15.00	0.39	\$10.00
0.52	\$15.00	0.37	\$12.00
0.52	\$15.00	0.31	\$18.00
0.46	\$20.00	0.44	
0.46	\$20.00	0.37	\$7.00
0.46	\$20.00	0.35	\$9.00
0.46	\$20.00	0.33	\$11.00
0.46	\$20.00	0.28	\$16.00

Thermal Storage Incentives

	Incentive
THERMAL STORAGE UNIT	\$190/kW shifted

Program Requirements

Equipment Eligibility

- Duke Energy will use the ARI manual for verifying equipment efficiencies for all the chillers. If the equipment or matched set is not in the ARI manual, the manufacturer's technical fact sheets must be provided showing the efficiency level tested under ARI conditions. Equipment capacity (size) and efficiency must be based on ARI design conditions. Chillers must meet full load and part load efficiency requirements.
- Chillers purchased and installed for backup or redundant systems are not eligible.

Incentive Eligibility

- Incentives are only available to customers on Duke Energy North Carolina non-residential rate.
- Incentive will not be paid until eligible equipment has been installed, is available to operate, and verification has been completed by Duke Energy staff as noted in the Term & Conditions stated below.
- Duke Energy reserves the right to revise incentive levels and/or qualifying efficiency levels at anytime.
- Customer may assign the incentive to the vendor who installed/supplied the equipment. The customer's signature is required in the appropriate places on this form to assign the incentive to the vendor. Customer agrees that such an action constitutes an irrevocable assignment of the incentive. This assigned incentive must reproduce the purchase price paid for the equipment by an equivalent amount.
- Any equipment which, either separately or as part of a project, has or will receive an incentive from any other Duke Energy program is ineligible.
- In no case will Duke Energy pay an incentive above the actual cost of the new equipment.
- Incentive recipient assumes all responsibilities for any tax consequences resulting from Duke Energy incentive payment.
- To qualify for Duke Energy incentives, applicants who provide their social security number as their federal tax identification number for tax purposes must sign and return the "Customer consent to release personal information" form ("Consent Form") along with the application. Incentive applications are processed by a 3rd party vendor. The 3rd party vendor is responsible for mailing the 1099 form at the end of the calendar year for tax filing. Duke Energy and the 3rd party vendor have signed confidentiality agreement to protect your personal information. If your social security number is your federal tax ID number and you elect not to sign the Consent Form, please do not send Duke Energy the application, as you will not be qualified to participate in the incentive program.

Terms and Conditions

I certify that this premise is served by Duke Energy (or an affiliate of Duke Energy), that the information provided herein is accurate and complete, and that I have purchased and installed the high efficiency equipment (indicated herein) for the business facility listed herein and not for resale. Attached is an itemized invoice for the indicated installed equipment. I understand that the proposed incentive payment from Duke Energy is subject to change based on verification and Duke Energy approval. I agree to Duke Energy verification of both the sales transaction and equipment installation which may include a site inspection from a Duke Energy representative or Duke Energy agent. I understand that I am not allowed to receive more than one incentive from Duke Energy on any piece of equipment. I also understand that my participation in the program may be taxable and that my company is solely responsible for paying all such taxes. I hereby agree to indemnify, hold harmless and release Duke Energy and its affiliates from any actions or claims in regards to the installation, operation and disposal of equipment (and related materials) covered herein including liability from an incidental or consequential damages. Duke Energy does not endorse any particular manufacturer, product or system design within these programs; does not expressly or implicitly warrant the performance of installed equipment (Contact your contractor for details regarding equipment warranties and is not liable for any damage caused by the installation of the equipment nor for any damage cause by the malfunction of the installed equipment.

Incentive Application Instructions

IMPORTANT NOTICE

Delays in processing incentive payments will occur if required documentation is not included with completed application(s).

1. Contact Duke Energy toll free at 866-380-9580 to confirm customer eligibility. Applications are available for download at www.duke-energy.com.
2. Review program and equipment requirements on the incentive application.
3. Purchase and install energy-efficient equipment.
4. Complete and submit application within 60 days **after** equipment has been installed and is operational.
5. The following items must be included to verify projects. If they are not included, it will delay payment of incentive.
 - A. Please include an itemized invoice including cost, quantity, model number and manufacturer's data sheet for all measures.
 - B. Provide required tax ID# for payee.
6. Duke Energy may require site verification of projects that have been self-installed, prior to payment of incentive.
7. Customer must sign and date the application after reviewing the Terms and Conditions. If customer wishes to **assign payment of the incentive directly to the vendor**, the customer should circle the appropriate payee in the Payment Information section of the application and sign their name to authorize payment.
8. Fax the complete, signed application with all required documents to 1-866-908-4921 or mail to the following address:

Duke Energy
Smart \$aver™ Incentive Program
431 Charmany Drive
Madison, WI 53719
9. A percentage of equipment installations will be site verified for quality assurance purposes. Once selected, a Duke Energy representative will contact the customer to arrange for the inspection. All incentive payments related to the project will be withheld until site verification is complete. There is no charge to the customer for these inspections.

Smart Saver™ Incentive Program Requirements for Vendor Participation

Program Overview

- Duke Energy offers its eligible non-residential customers the opportunity to increase profitability through energy cost savings and contribute to a cleaner environment by participating in our Smart Saver™ Incentive Program.
- Under the Duke Energy Smart Saver™ Incentive Program, Vendor is defined as any third party who:
 - Promotes the sale and installation of the high efficiency equipment for the customer. The Vendor will ensure that the eligible equipment is installed and operating before submitting the application or assisting the customer in completing the application.
 - Is responsible for the product sale only and is not required to ensure installation of the eligible equipment.
- All license requirements, if any, are solely the Vendor's responsibility. Participating Vendors include equipment contractors, equipment Vendors, equipment manufacturers and distributors, energy service companies, etc. The typical Vendor role is to contact/solicit eligible customers building new or retrofitting existing facilities and encourage the installation of the energy-efficient equipment offered in Duke Energy's program.
- Incentives are paid directly to customers unless the customer assigns the incentive to the Vendor. The assigned incentive must reduce the purchase price paid for the equipment by an equivalent amount. Incentives are taxable to the entity who receives the rebate check. Rebates greater than \$600 will be reported to the IRS unless documentation of tax exempt status is provided.
- Vendors can sign up to be on Duke Energy's Web site as a participating Vendor and be added to Duke Energy's e-mail distribution by submitting the Vendor Participation Agreement (VPA) to the following address:

Duke Energy
Smart Saver™ Incentive Program
431 Charmay Drive
Madison, WI 53719
- Vendors may not represent to customers that Duke Energy endorses their specific products or services. Duke Energy does not endorse specific products, services, or companies – only energy-efficient technologies.
- Vendors may advise customers of their option to have Duke Energy make their rebate check(s) payable to the Vendor if the customer's rebate amount is being deducted from the total sale price in advance. The customer must complete and sign the Payment Release Authorization section of the Smart Saver™ Incentive Program Application.
- Vendors may use the name "Smart Saver™ Incentive Program" in promotional materials or advertisements. Vendors shall not use Duke Energy's name or logo in their promotional literature, or advertisements or writing of any kind without Duke Energy's prior written approval.
- For Vendors who properly install the qualifying equipment, the equipment shall be installed and operating prior to an application being submitted. A percentage of each Vendor's installations will be subject to inspection by Duke Energy for verifying that the equipment is installed and operating. Vendors demonstrating high failure rates (based on a statistically significant sample) will have 100% of subsequent jobs inspected or may have their participation in the Smart Saver™ Incentive Program revoked by Duke Energy in its sole discretion.
- Vendors shall provide customers with applicable equipment warranty information for all measures installed. Vendors shall provide the required documentation for customers to apply for the rebate (invoices with model numbers and quantities, specification sheets for installed equipment, etc.) and assist customers in filling out the application.
- Vendors shall comply with all applicable local, state, and federal laws and codes when performing installation and related functions.
- Duke Energy reserves the right to revoke a Vendor's participation in Smart Saver™ Incentive Program if, in Duke Energy's sole judgment, the Vendor fails to comply with the program's guidelines and requirements.
- Smart Saver™ Incentive Program offerings may be modified or terminated without prior notice. Check Duke Energy's Web site for current program status.

Guidelines for Vendor Activities

- Vendors shall sign and return the attached VPA to Duke Energy prior to soliciting customer participation or when submitting an application. Rebate payments will not be released to a Vendor unless a signed VPA is on file.

Vendors shall not misrepresent the nature of their role in the program. In particular, Vendors shall not state or imply to customers, or any persons, that the Vendor is employed by or working on Duke energy's behalf.

For more information, call **1-866.380.9580** or visit www.duke-energy.com.



Smart Saver™ Incentive Program

Technology	Responsible for sales and not installs*	Responsible for sales and Installation*	Technology	Responsible for sales and not installs*	Responsible for sales and Installation*
Lighting	<input type="checkbox"/>	<input type="checkbox"/>	Thermal Storage	<input type="checkbox"/>	<input type="checkbox"/>
Heating Ventilation & Cooling	<input type="checkbox"/>	<input type="checkbox"/>	Pumps/Motors/VFD's	<input type="checkbox"/>	<input type="checkbox"/>
Food Service	<input type="checkbox"/>	<input type="checkbox"/>	Chillers	<input type="checkbox"/>	<input type="checkbox"/>
Water Heating	<input type="checkbox"/>	<input type="checkbox"/>	Refrigeration	<input type="checkbox"/>	<input type="checkbox"/>
Process Equipment (air compressors, injection molding, etc.)	<input type="checkbox"/>	<input type="checkbox"/>			

* Check all that apply

Vendors who wish to be listed as a Smart Saver™ Incentive Program participating Vendor shall complete this form. A signed copy of this form must be on file at Duke Energy in order for the Vendor to receive incentive payments. Mail to:

Duke Energy
 Smart Saver™ Incentive Program
 431 Charmany Drive
 Madison, WI 53719

I have read and understand the Smart Saver™ Incentive Program Requirements for Vendor Participation, and I agree to comply with all requirements set forth therein. By signing this agreement, I agree to provide my customers with information and documentation that is true and accurate to the best of my knowledge. I hereby represent and warrant that the Tax ID and Vendor Tax Status provided below are true and accurate. I agree that any confidential information concerning my customer, including but not limited to Duke Energy service account information, will be used for the sole purpose of facilitating the customer's participation in the Smart Saver™ Incentive Program. Further, I understand that I am responsible for making sure everyone working for me understands the requirements prior to soliciting customer participation.

Vendor Federal Tax ID Number	
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To qualify for Duke Energy incentives, applicants who provide their social security number as their federal tax identification number for tax purposes must sign and return the "Customer consent to release personal information" form ("Consent Form") along with the application. Incentive applications are processed by a third-party vendor. The third-party vendor is responsible for mailing the 1099 form at the end of the calendar year for tax filing. Duke Energy and the third-party vendor have signed confidentiality agreement to protect your personal information. If your social security number is your federal tax ID number and you elect not to sign the Consent Form, please do not send Duke Energy the application, As you will not be qualified to participate in the incentive program.

Vendor Tax Status	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual/Sole Proprietor	<input type="checkbox"/> Partnership	<input type="checkbox"/> Other
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Contact me via	<input type="checkbox"/> Phone	<input type="checkbox"/> E-Mail	<input type="checkbox"/> Mail	
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Company Name	
Mailing Address	
City, State, Zip	
Phone/Fax	
Primary E-mail Address	
Secondary E-mail Address	
Vendor Signature	
Title	
Print Name	
Date	

For more information, call 1-866-380-9580 or visit www.duke-energy.com.