

# 2022 HVAC Application



**Consumers Energy**  
Business Energy Efficiency Programs

**Consumers Energy**

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Resources

Learn more about incentive caps and limits, pre-notifications, how to apply, terms and conditions and qualifying equipment specifications in our main Incentive Application and Catalog. This information can be found at: [ConsumersEnergy.com/startsaving](https://ConsumersEnergy.com/startsaving).

Need help?  
Call 877-607-0737  
or Email: [ConsumersEnergyBusinessSolutions@cmsenergy.com](mailto:ConsumersEnergyBusinessSolutions@cmsenergy.com)

## Applicant Information

Type of Application: ☐ Retrofit Project ☐ New Construction Consumers Energy Advisor (if known) \_\_\_\_\_

Who is the primary contact? ☐ Customer ☐ Technical Contact Consumers Energy Account Manager (if known) \_\_\_\_\_

Include a secondary contact in communications? ☐ Customer ☐ Technical Contact

This is my: ☐ Pre-Notification Application ☐ Final Application ☐ Revised Application **PROJECT # CE-22-** \_\_\_\_\_

### How did you hear about us?

- |                                    |  |   |   |
|------------------------------------|--|---|---|
| <input type="checkbox"/> Radio     | <input type="checkbox"/> Internet          | <input type="checkbox"/> Direct Mail    | <input type="checkbox"/> Consumers Energy Account Manager |
| <input type="checkbox"/> TV        | <input type="checkbox"/> Email             | <input type="checkbox"/> Sporting Event | <input type="checkbox"/> Energy Advisor                   |
| <input type="checkbox"/> Billboard | <input type="checkbox"/> Prior Participant | <input type="checkbox"/> Contractor     | <input type="checkbox"/> Other _____                      |

### Customer Information (Required for All Applications)

Company Name (as it appears on Consumers Energy bill) \_\_\_\_\_

Contact Name \_\_\_\_\_ Title \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

We will use your email address solely to provide timely information about the Consumers Energy Business Energy Efficiency Programs and your projects.

Consumers Energy Natural Gas Account Number (at Project Location)

Consumers Energy Electric Account Number (at Project Location)

### Primary Business Type

- |  |   |  |   |
|--|---|--|---|
| <input type="checkbox"/> Agriculture       | <input type="checkbox"/> Heavy Industrial   | <input type="checkbox"/> Hotel           | <input type="checkbox"/> Big Box Retail           |
| <input type="checkbox"/> Auto Repair       | <input type="checkbox"/> Light Industrial   | <input type="checkbox"/> Motel           | <input type="checkbox"/> Small Retail             |
| <input type="checkbox"/> Biotech           | <input type="checkbox"/> High School        | <input type="checkbox"/> Large Office    | <input type="checkbox"/> Full Service Restaurant  |
| <input type="checkbox"/> Convenience Store | <input type="checkbox"/> School (K-8)       | <input type="checkbox"/> Small Office    | <input type="checkbox"/> Quick Service Restaurant |
| <input type="checkbox"/> Grocery           | <input type="checkbox"/> University/College | <input type="checkbox"/> Religious       | <input type="checkbox"/> Warehouse                |
| <input type="checkbox"/> Data              | <input type="checkbox"/> Hospital           | <input type="checkbox"/> Public Assembly | <input type="checkbox"/> Other _____              |
- Facility Size (Area) \_\_\_\_\_ ft<sup>2</sup>

### Customer Tax Information (Required for All Applications)

**Tax Status\*\*:** ☐ Individual/Sole proprietor single-member LLC ☐ C Corporation ☐ Partnership ☐ LLC Enter Tax Classification \_\_\_\_\_

☐ S Corporation ☐ Trust/Estate ☐ Other \_\_\_\_\_

**Tax ID Number:** Please provide your EIN/Federal Tax ID below.

EIN/Federal Tax ID  -

### Exemptions

Payee Code \_\_\_\_\_ FATCA Code \_\_\_\_\_

### Project Information

Project Name (if applicable) \_\_\_\_\_

Installation Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Estimated Completion Date \_\_\_\_\_ Total Incentive Requested \_\_\_\_\_

### Technical Contact Information (Trade Ally, Contractor, Designer, etc.)

Company Name\* \_\_\_\_\_ Consumers Energy Contractor ID (if known) \_\_\_\_\_

Contact Name \_\_\_\_\_ Title \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_ Rebate Processor Name \_\_\_\_\_

\* Company name as it appears on your W-9.

\*\* W-9 must be provided for payee with application.

For internal use only

Date	Assigned	CE -
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## Final Application/Customer Signature

Measure Category	Category Total (Before)	Buy Michigan
Variable Frequency Drives (VFD)		
Miscellaneous Electric		
HVAC Equipment		
Building Automation Systems		
Advanced Air Distribution and Energy Recovery		
Pipe and Ductwork Insulation		

Incentive Totals	
Measure Subtotal	
15% Buy Michigan Bonus	
Incentive Total	

**Important:** Please read the Terms and Conditions before signing and submitting this application. A customer signature is required for payment in the incentive requested. Checks will be made out to the name of the applicant's business, unless payment is released in the third party payment release section below.

Incentive Requested		
Total Project Cost	Total Incentive Requested	Actual Completion Date
Company Name (as it appears on Consumers Energy bill)	Project #	
Customer Signature	Date	
Print Name	Title	

► Upon signing, I am stating that I have read and understand the Terms and Conditions set forth by this program.

Third Party Payment Release		
<b>Skip This Section If Rebate Check Will Be Made Payable To Customer</b>		
I authorize the payment of the incentive to the third party named below, and I understand that I will not be receiving the incentive payment. I also understand that my release of the payment to a third party does not exempt me from the program requirements outlined in the Incentive Catalog, Final Application Agreement and Terms and Conditions.		
<b>Authorized By:</b>		
Customer Name	Signature	Date
<b>Check should be made payable to:</b>		
Individual/Company Name*	Phone	
Mailing Address		
City	State	ZIP

**Tax Status\*\*:** ☐ Individual/Sole proprietor single-member LLC ☐ C Corporation ☐ Partnership ☐ LLC Enter Tax Classification \_\_\_\_\_  
☐ S Corporation ☐ Trust/Estate ☐ Other \_\_\_\_\_

**Tax ID Number** Please provide your EIN/Federal Tax ID below.

EIN/Federal Tax ID   -

**Exemptions**

Payee Code \_\_\_\_\_ FATCA Code \_\_\_\_\_

► Please note that this document will require re-saving each time a digital signature is used.

\* Company name as it appears on your W-9.

\*\* W-9 must be provided for payee with application.



**Print This Form**

## HVAC Equipment

### Split and Unitary Air Conditioning Systems

(Consumers Energy Electric Customers)

ID	Equipment	Size Category	Qualifying Efficiency	Incentive	Unit
HV101a	Split Air Conditioning Systems	< 5.4 tons	15.0 SEER	\$30.00	Ton
HV101b		≥ 5.4 to < 11.25 tons	12.0 EER/ 13.8 IEER	\$40.00	Ton
HV101c		≥ 11.25 to < 20 tons	12.0 EER/ 13.0 IEER	\$40.00	Ton
HV101d		≥ 20 to < 63 tons	10.6 EER/ 12.1 IEER	\$30.00	Ton
HV101e		> 63 tons	10.2 EER	\$30.00	Ton

Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

ID	Equipment	Size Category	Qualifying Efficiency	Incentive	Unit
HV101f	Unitary Air Conditioning Systems (RTU's)	< 5.4 tons	15.0 SEER	\$30.00	Ton
HV101g		≥ 5.4 to < 11.25 tons	12.0 EER/ 13.8 IEER	\$40.00	Ton
HV101h		≥ 11.25 to < 20 tons	12.0 EER/ 13.0 IEER	\$40.00	Ton
HV101i		≥ 20 to < 63 tons	10.6 EER/ 12.1 IEER	\$30.00	Ton
HV101j		≥ 63 tons	10.2 EER	\$30.00	Ton

Equipment (See Above)	Make and Model	SEER, EER	IEER	Unit Size (Tons) (A)	Quantity (B)	Incentive per Ton (C)	Total Incentive (AxBxC)

### Computer Room Air Conditioning (Pre-Notification Required\*)

(Consumers Energy Electric Customers)

ID	Equipment Type	Equipment Size	Min SCOP	Incentive Per MBH	Actual SCOP	Unit Size MBH	Quantity	Total Incentive
HV102a	High-Efficiency Computer Room Air Conditioning	< 65 MBH	2.9	\$20.00				
HV102b		≥ 65 MBH to < 240 MBH	2.7					
HV102c		≥ 240 MBH	2.5					

ID	Equipment Type	Return Air Temp	Incentive	Unit	Actual SCOP	Unit Size MBH	Quantity	Total Incentive
HV103a	Data Room Hot/Cold Aisle Configuration*	Increased by at least 5°F	\$10.00	MBH				
HV103b		Increased by at least 10°F	\$20.00	MBH				

\*Pre-Notification is required.

### Air Conditioning



(Consumers Energy Electric Customers)

ID	Equipment Type	Size	Incentive	Unit	Unit Size Tons	Quantity	Total Incentive
HV104a	Packaged Terminal Air Conditioning (PTAC)	< 7,000 BTU/hr. = 13.1 EER	\$50.00	Unit			
HV104b		7,000 to 15,000 BTU/hr. = 11.8 EER	\$60.00	Unit			
HV104c		> 15,000 Btu/hr. = 10.5 EER	\$70.00	Unit			
HV105a	Packaged Terminal Heat Pump (PTHP)	< 7000 BTU/hr. = 13.1 EER	\$30.00	Unit			
HV105b		7000 BTU/hr - 15000 BTU/hr. = 11.8 EER	\$35.00	Unit			
HV105c		> 15000 BTU/hr. = 10.5 EER	\$40.00	Unit			
HV106	Ductless Air Conditioning or Heat Pump System		\$50.00	Unit			

Subtotal HVAC Equipment Incentive - Page 1



## HVAC Equipment

Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

### Ground Source Heat Pump

(Consumers Energy Electric Customers)

ID	Equipment Type	Size	\$/ton 17 EER Base Incentive	\$/ton 0.1 EER Incentive	Quantity	Unit Size Tons	EER	Base Incentive	Incremental Incentive	Total Incentive
HV201	Ground Source Heat Pump	< 135 MBH (11.25 tons)	\$30.00	\$1.00						

### Humidification (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Equipment Type	Incentive	Unit	Number of Humidifier	Total Area Served	Total Incentive
HV202	Ultrasonic Humidifier	\$0.10	Square Foot			

### Chillers

(Consumers Energy Electric Customers)

ID	Equipment Type	Size	Unit	Path A - FLV Reduction		Path B - IPLV Reduction		\$/Ton Base	\$/0.01 Reduction
				FLV (E)	IPLV	FLV	IPLV (H)		
HV203a	Air-Cooled Chillers	< 150 ton	kW/ton	1.19	0.88	1.24	0.76	\$7.00	\$2.00
HV203b		≥ 150 ton	kW/ton	1.19	0.86	1.24	0.75	\$7.00	\$2.00
HV204a	Water Cooled Positive Displacement (Screw) Chillers	< 75 ton	kW/ton	0.75	0.6	0.78	0.5	\$10.00	\$2.00
HV204b		≥ 75 ton and < 150 ton	kW/ton	0.72	0.56	0.75	0.49	\$10.00	\$2.00
HV204c		≥ 150 ton & < 300 ton	kW/ton	0.66	0.54	0.68	0.44	\$10.00	\$2.00
HV204d		≥ 300 ton & < 600 ton	kW/ton	0.61	0.52	0.63	0.41	\$10.00	\$2.00
HV204e		≥ 600 ton	kW/ton	0.56	0.5	0.59	0.38	\$10.00	\$2.00
HV205a	Water Cooled Centrifugal Chillers	< 150 ton	kW/ton	0.61	0.55	0.7	0.44	\$10.00	\$2.00
HV205b		≥ 150 ton & < 300 ton	kW/ton	0.61	0.55	0.64	0.4	\$10.00	\$2.00
HV205c		≥ 300 ton & < 400 ton	kW/ton	0.56	0.52	0.6	0.39	\$10.00	\$2.00
HV205d		≥ 400 ton & < 600 ton	kW/ton	0.56	0.5	0.59	0.38	\$10.00	\$2.00
HV205e		≥ 600 ton	kW/ton	0.56	0.5	0.59	0.38	\$10.00	\$2.00

Equipment Type	Made and Model	Size (tons) (A)	FLV (B)	IPLV (C)	# of chillers (D)	Path	\$/Ton (F)	\$/0.01 Reduction (G)	Base Incentive	Incremental Incentive	Incentive
HV201a	Air Cooled Reciprocating Chiller	100	1.15	0.75	1	Path A	\$7.00	\$2.00	\$700.00	\$800.00	\$1,500.00
Total Incentive											

Total incentive per ton equals the qualifying base incentive per ton plus the maximum incentive per efficiency increase. The incentive per efficiency increase can be calculated as a maximum incentive between Path A or Path B.

For example: One 100-ton air-cooled chiller at 0.75 kW/ton IPLV and 1.15 kW/ton FLV:

Base incentive: (A x D x F) or 100 tons x 1 x \$7/ton = \$700



**Path A:** Full load incentive: (A x D x [(E - B)/0.01] x G) or (100 tons x 1 x [(1.19 - 1.15)/0.01] x \$2.00 = \$800

**Path B:** Part load incentive: (A x D x [(H - C)/0.01] x G) or (100 tons x 1 x [(0.76 - 0.75)/0.01] x \$2.00 = \$200


**Total incentive:** \$700 + Maximum (\$200, \$800) = \$900 or \$1,500

Subtotal HVAC Equipment Incentive - Page 2

## HVAC Equipment


Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.


### Industrial Fans (Pre-Notification Required)

ID	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
HV301	High-Volume, Low-Speed Fan (Consumers Energy Electric Customers)	\$400.00	Fan			<input type="checkbox"/>
HV302	Destratification Fan (Temperature Gradient Greater than 15°F) (Consumers Energy Natural Gas Customers)	\$0.20	Square Foot			<input type="checkbox"/>


### Heating


(Consumers Energy Natural Gas Customers, unless otherwise stated)


ID	Hydronic Boiler*	Incentive	Input Unit	Quantity	Unit Size	Total Incentive	
HV303	HVAC Boiler 88% to 89.9% Efficiency - Level 1	\$1.50	MBH				<input type="checkbox"/>
HV304	HVAC Boiler at least 90% Efficiency - Level 2	\$2.00	MBH				<input type="checkbox"/>


ID	Steam or Process Boilers*	Incentive	Input Unit	Quantity	Unit Size	Total Incentive	
HV305	Process Steam Boilers (at Least 82% Efficient)	\$1.25	MBH				<input type="checkbox"/>
HV306	HVAC Steam Boilers (at Least 82% Efficient)	\$2.00	MBH				<input type="checkbox"/>
HV307	Process Hydronic (Water) Boilers (at Least 82% Efficient)	\$1.20	MBH				<input type="checkbox"/>
HV308	High-Efficiency Pool Water Heater (at Least 84% Efficient)	\$2.00	MBH				<input type="checkbox"/>

\*Type of efficiency varies between AFUE, thermal or combustion based upon boiler size. Reference the program catalog for additional details.

ID	Unit Heater Type/AHU Type	Incentive	Input Unit	Quantity	Unit Size	Total Incentive	
HV309	High-Efficiency Unit Heater (at Least 92% Efficient)	\$3.99	MBH				<input type="checkbox"/>
HV310	High-Efficiency Unit Heater (at Least 95% Efficient)	\$7.91	MBH				<input type="checkbox"/>
HV311	Direct Fired Makeup Air Handling Units	\$1.50	MBH				<input type="checkbox"/>

ID	Condensing RTU	Incentive	Input Unit	Quantity	Unit Size	Total Incentive	
HV312	Condensing Rooftop Unit	\$25.00	MBH				<input type="checkbox"/>

ID	Infrared Heater Type (Pre-Notification Required)	Incentive	Input Unit	Quantity	Unit Size	Total Incentive	
HV313	Infrared Heaters (Consumers Energy Electric and Natural Gas Customers)	\$9.00	MBH				<input type="checkbox"/>
HV314	Infrared Heaters (Consumers Energy Natural Gas Customers)	\$5.00	MBH				<input type="checkbox"/>

ID	Furnaces	Incentive	Unit	Quantity	Unit Size (MBH)	Total Incentive	
HV315	High Efficiency Furnace ≤ 120 MBH, 92% AFUE	\$300.00	Furnace				<input type="checkbox"/>
HV316	High Efficiency Furnace > 120 MBH, 92% AFUE	\$350.00	Furnace				<input type="checkbox"/>
HV317	High Efficiency Furnace ≤ 120 MBH, 95% AFUE	\$325.00	Furnace				<input type="checkbox"/>
HV318	High Efficiency Furnace > 120 MBH, 95% AFUE	\$400.00	Furnace				<input type="checkbox"/>








Subtotal HVAC Equipment Incentive - Page 3

## HVAC Equipment

Check the **Buy Michigan Box**  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

### Heating

(Consumers Energy Natural Gas Customers, unless otherwise stated)

ID	Domestic Water Heating	Incentive	Input Unit	Unit Size (MBH)	Quantity	Total Incentive	
HV401	High-Efficiency Domestic Water Heating Boilers (at least 94% Thermal Efficiency)	\$1.50	MBH				<input type="checkbox"/>
HV402a	High-Efficiency Tank-Style Domestic Water Heater < 55 Gallons	≤ 75 MBH, ≥ 0.64 UEF	Heater				<input type="checkbox"/>
HV402b		≤ 75 MBH, ≥ 0.68 UEF	Heater				<input type="checkbox"/>
HV402c	High-Efficiency Tank-Style Domestic Water Heater ≥ 55 Gallons, ≤ 75 MBH, ≥ 0.80 UEF	\$50.00	Heater				<input type="checkbox"/>
HV403	High-Efficiency Tank-Style Domestic Water Heater ≤ 140 Gallon, > 75 MBH, 94% Thermal Efficiency	\$275.00	Heater				<input type="checkbox"/>
HV404a	Tankless Water Heater	Natural Gas, ≥ 0.87 UEF	Heater				<input type="checkbox"/>
HV404b		Electric, ≥ 0.95 UEF (Consumers Energy Electric Customers)	Heater				<input type="checkbox"/>


**Subtotal HVAC Equipment Incentive - Page 4**

**Total HVAC Equipment Incentive**

## Miscellaneous Electric

### Miscellaneous

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
ME108	Cogged V-Belt Drives (1 to 25 HP)	\$5.00	HP			<input type="checkbox"/>
ME109	Cogged V-Belt Drives (26 to 500 HP)	\$2.50	HP			<input type="checkbox"/>

**Total Miscellaneous Electric Incentive**






## Centralized Building Automation System (BAS) (Pre-Notification Required)

ID	Measure		Incentive	Unit	# of Units	Total Incentive
BA101a	Web-Based Building Automation Systems (BAS) (Temperature Setback in Non-occupied Periods)	Air Conditioning (Consumers Energy Electric Customers)	\$0.15	Square Foot		
BA101b		BAS Non-A/C Schools (Consumers Energy Electric Customers)	\$0.15	Square Foot		
Building Automation System Total Incentive						
Building Automation System Awarded Incentive (Maximum Cannot Exceed \$75,000)						
BA102	Light Commercial Building Automation Systems (BAS) (Temperature Setback in Non-occupied Periods)	Air Conditioning (Consumers Energy Electric Customers)	\$0.15	Square Foot		
Building Automation System Total Incentive						
Building Automation System Awarded Incentive (Maximum Cannot Exceed \$35,000)						
BA103a	Optimal Start on Air Handling Units	Air Conditioning and Natural Gas Heat (Consumers Energy Electric & Natural Gas Customers)	\$0.30	Square Foot		
BA103b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.05	Square Foot		
BA103c		Air Conditioning (Consumers Energy Electric Customers)	\$0.07	Square Foot		
Optimal Start Total Incentive						
Optimal Start Awarded Incentive (Maximum Cannot Exceed \$50,000)						
ID	Measure (Pre-Notification Required)		Incentive	Unit	# of Units	Total Incentive
BA104	BAS for Manufacturing HVAC Fans (Consumers Energy Electric Customers)		\$150.00	HP		
BA105	Parking Garage Exhaust Fan Carbon Monoxide (CO) Control (Consumers Energy Electric Customers)		\$300.00	HP		
BA106	Hydronic HVAC Pump Control (Consumers Energy Electric Customers)		\$80.00	HP		
BA107	Critical Zone Supply Air Reset Control (Consumers Energy Electric Customers)		\$25.00	Ton		
BA108	Air-Side Economizer (Consumers Energy Electric Customers)		\$15.00	Ton		
BA109a	Chilled Water Reset Retrofit (5-degree reset) (Consumers Energy Electric Customers)		\$15.00	Ton		
BA109b	Chilled Water Reset Retrofit (10-degree reset) (Consumers Energy Electric Customers)		\$30.00	Ton		
BA110	Optimized Chiller Plant Sequencing		\$4.00	Ton		

## Advanced Rooftop HVAC Controls (Pre-Notification Required)

ID	Measure		Incentive	Unit	Quantity	Total Incentive
BA111a	Enhanced Ventilation Control	Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers)	\$330.00	Ton		
BA111b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$170.00	Ton		
BA111c		Air Conditioning (Consumers Energy Electric Customers)	\$80.00	Ton		

## Unitary Control (Pre-Notification Required)


ID	Measures		Area (FT <sup>2</sup> )	Incentive	Unit	# of Units	Total Incentive	
BA201a	Hotel Guest Room	Natural Gas Heat (Consumers Energy Natural Gas Customers)		\$80.00	Room Controlled			<input type="checkbox"/>
BA201b	Occupancy Sensor	Electric Heat (Consumers Energy Electric Customers)		\$80.00	Room Controlled			<input type="checkbox"/>
BA202a	Programmable Thermostat	Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers)		\$48.00	Thermostat			<input type="checkbox"/>
BA202b		Natural Gas Heat (Consumers Energy Natural Gas Customers)		\$40.00	Thermostat			<input type="checkbox"/>
BA202c		Air Conditioning (Consumers Energy Electric Customers)		\$8.00	Thermostat			<input type="checkbox"/>
BA203a	Occupancy Sensor Control for Smart Thermostats	Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers)		\$0.04	Square Foot			<input type="checkbox"/>
BA203b		Natural Gas Heat (Consumers Energy Natural Gas customers)		\$0.02	Square Foot			<input type="checkbox"/>
BA203c		Air Conditioning (Consumers Energy Electric Customers)		\$0.02	Square Foot			<input type="checkbox"/>

## Ventilation Controls (Pre-Notification Required)

ID	Measures		Incentive	Unit	# of Units	Total Incentive	
BA204a	Demand Control Ventilation	Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers)	\$0.50	Square Foot			<input type="checkbox"/>
BA204b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.25	Square Foot			<input type="checkbox"/>
BA204c		Air Conditioning (Consumers Energy Electric Customers)	\$0.03	Square Foot			<input type="checkbox"/>
BA205a	Occupancy Sensor Control for HVAC BAS Systems	Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers)	\$0.08	Square Foot			<input type="checkbox"/>
BA205b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.04	Square Foot			<input type="checkbox"/>
BA205c		Air Conditioning (Consumers Energy Electric Customers)	\$0.04	Square Foot			<input type="checkbox"/>
BA206a	Demand Control Ventilation and Occupancy Sensors for HVAC	Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers)	\$0.40	Square Foot			<input type="checkbox"/>
BA206b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.15	Square Foot			<input type="checkbox"/>
BA206c		Air Conditioning (Consumers Energy Electric Customers)	\$0.04	Square Foot			<input type="checkbox"/>
BA207	Occupancy Sensor Controlled Restroom Exhaust Fan (Electric Only)		\$10.00	Fan			<input type="checkbox"/>

## Boiler Controls (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

ID	Measure		Incentive	Input Unit	# of Units	Total Incentive	
BA301a	Optimized Boiler Plant Sequencing	HVAC	\$0.40	MBH			
BA301b		Process	\$1.00				
BA302a	Modulating Burner Control*	HVAC	\$0.80	MBH			<input type="checkbox"/>
BA302b		Process	\$1.25				<input type="checkbox"/>
BA303a	Boiler Oxygen Trim Control*	HVAC	\$0.20	MBH			
BA303b		Process	\$0.75				
BA304a	Linkageless (Parallel Positioning) Boiler Controls*	HVAC	\$0.50	MBH			<input type="checkbox"/>
BA304b		Process	\$0.75				<input type="checkbox"/>
BA305a	Combination Boiler Oxygen Trim Control and Linkageless Boiler Controls*	HVAC	\$0.60	MBH			<input type="checkbox"/>
BA305b		Process	\$1.00				<input type="checkbox"/>
BA306	Water Reset Control Retrofit		\$0.70	MBH			
BA307	Basic Snow Melt Controls Retrofit		\$0.50	Square Foot			<input type="checkbox"/>
BA308	Enhanced Snow Melt Controls		\$0.60	Square Foot			<input type="checkbox"/>

\* Not eligible on new condensing boilers

## Makeup Air Handling Unit Burner Controls (Pre-Notification Required)



(Consumers Energy Natural Gas Customers)

ID	Measure	Incentive	Input Unit	# of Units	Total Incentive
BA309a	Modulating Burner on Makeup Air Handling Unit (Continuous Operation)	\$5.00	MBH		
BA309b	Modulating Burner on Makeup Air Handling Unit (> 100 hrs./week Operation)	\$5.00	MBH		
BA309c	Modulating Burner on Makeup Air Handling Unit (> 50 hrs./week Operation)	\$1.00	MBH		


**Subtotal Building Automation Controls Incentive - Page 3**

**Total Building Automation Controls Incentive**

## Advanced Air Distribution and Energy Recovery


Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

### Advanced Air Distribution Systems (Pre-Notification Required)

ID	Measure	Customer Type	Incentive	Unit	# of Units	Total Incentive	
AE101a	Constant Volume AHU to VAV AHU with Hydronic Reheat	Electric and Natural Gas	\$1.25	Square Foot			<input type="checkbox"/>
AE101b		Electric	\$0.60	Square Foot			<input type="checkbox"/>
AE101c		Natural Gas	\$0.25	Square Foot			<input type="checkbox"/>
AE102a	Constant Volume AHU to Hydronic Heat Pump Loop	Electric and Natural Gas	\$0.60	Square Foot			<input type="checkbox"/>
AE102b		Electric	\$0.45	Square Foot			<input type="checkbox"/>
AE102c		Natural Gas	\$0.15	Square Foot			<input type="checkbox"/>



### Energy Recovery (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

ID	Measure	Incentive	Unit	# of Units	Unit Size	Total Incentive	
AE103	Enthalpy Wheel Energy Recovery Unit	\$0.40	CFM				<input type="checkbox"/>
AE104	Fixed-Plate Air-to-Air Energy Recovery Unit	\$0.35	CFM				<input type="checkbox"/>
AE105	Dust Collector Air Exhaust Recovery Unit	\$1.50	CFM				

### Boiler Efficiency Improvements (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

ID	Measure	Stack Temp Decrease	Incentive	Input Unit	# of Units	Unit Size	Total Incentive	
AE106a	HVAC Boiler Stack Economizer	80 Degrees	\$0.50	MBH				<input type="checkbox"/>
AE106b		200 Degrees	\$1.00	MBH				<input type="checkbox"/>
AE107a	Process Boiler Stack Economizer	80 Degrees	\$1.50	MBH				<input type="checkbox"/>
AE107b		200 Degrees	\$3.00	MBH				<input type="checkbox"/>
AE108	Steam Boiler Makeup Water Pre-Heat		\$10.00	MMBtu/yr.				<input type="checkbox"/>
AE109	Automatic Boiler Blowdown Reduction		\$0.02	Gal./yr. Reduced				<input type="checkbox"/>



### Refrigeration Waste Heat Recovery (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

ID	Measure	Incentive	Unit	# of Units	Unit Size	Total Incentive
AE110	Refrigeration Waste Heat Recovery Decreasing Domestic Water Heating	\$200.00	Ton			
AE111	Refrigeration Waste Heat Recovery Decreasing HVAC Heating Load	\$125.00	Ton			

Subtotal Advanced Air Distribution and Energy Recovery Incentive - Page 1

## Advanced Air Distribution and Energy Recovery

Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

### Air-Side Economizer (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AE201	Computer Room Air Conditioning Glycol Economizer	\$60.00	MBH		
AE202	Air-Side Economizer for CRAC or Telecom Applications	\$60.00	MBH		
AE203	Air-Side, Air to Air Heat Exchange Economizer for CRAC or Telecom Application	\$30.00	MBH		

### Water-Side Economizer (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AE204	Water-Cooled Chiller	\$60.00	Ton		
AE205	Air-Cooled Chiller	\$150.00	Ton		

### Condenser Heat Recovery (DX Compressor Waste Heat Recovery) (Pre-Notification Required)

ID	Measure	Customer Type	Incentive	Unit	# of Units	Total Incentive
AE206	Water-Cooled Condenser Electric DWH HVAC or Process Applications	Consumers Energy Electric Customer	\$400.00	Ton		
AE207	Air-Cooled Condenser Electric DWH HVAC or Process Applications	Consumers Energy Electric Customer	\$500.00	Ton		
AE208	Water-Cooled Condenser Natural Gas DWH HVAC or Process Applications	Consumers Energy Natural Gas Customer	\$150.00	Ton		
AE209	Air-Cooled Condenser Natural Gas DWH HVAC or Process Applications	Consumers Energy Natural Gas Customer	\$200.00	Ton		

### Operating Room Air Exchange Rate Setback (Pre-Notification Required)

ID	Measure	Customer Type	Incentive	Unit	# of Units	Total Incentive
AE210a	Operating Room with at least 20% Outside Air	Consumers Energy Natural Gas and Electric Customer	\$2.00	Square Foot		
AE210b		Consumers Energy Natural Gas Customer	\$1.00	Square Foot		
AE210c		Consumers Energy Electric Customer	\$1.00	Square Foot		
AE211a	Operating Room with 100% Outside Air	Consumers Energy Natural Gas and Electric Customer	\$3.00	Square Foot		
AE211b		Consumers Energy Natural Gas Customer	\$1.50	Square Foot		
AE211c		Consumers Energy Electric Customer	\$1.50	Square Foot		

Subtotal Advanced Air Distribution and Energy Recovery Incentive - Page 2

Total Advanced Air Distribution and Energy Recovery

## HVAC Variable Frequency Drives (\*Pre-Notification Required for motors over 100 HP)

(Consumers Energy Electric Customers)

ID	Measure	Incentive (A)	Unit (B)
VF101	VFD on HVAC Supply Fan up to 100 HP**	\$70.00	HP
VF102	VFD on HVAC Return Fan up to 100 HP**	\$70.00	HP
VF103	VFD on Cooling Tower Fan**	\$40.00	HP
VF104	VFD on HVAC Chilled Water Pump up to 100 HP**	\$60.00	HP
VF105	VFD on HVAC Hydronic Heating Water Pump up to 100 HP**	\$100.00	HP
VF106	VFD on HVAC Fans - Fixed Speed (54 Hz or less)*	\$50.00	HP
VF107	VFD on CW HVAC Pumps - Fixed Speed (54 Hz or less) Bypass*	\$40.00	HP
VF108	VFD on CW HVAC Pumps - Fixed Speed (54 Hz or less) Throttled*	\$25.00	HP
VF109	VFD on HW HVAC Pumps - Fixed Speed (54 Hz or less) Bypass*	\$70.00	HP
VF110	VFD for HW HVAC Pumps - Fixed Speed (54 Hz or less) Throttled*	\$40.00	HP
VF111	2 Speed RTU Supply Fan	\$20.00	Ton
VF112	VFD on Condenser Fan - HVAC	\$50.00	Ton of Load

VFD Application (See Above)	Installation Type (i)	Control Before VSD (ii)	Control Variable (iii)	Incentive Rate (See above) (A)	Controlled Motor Size (HP) (B)	Quantity (C)	Incentive (A x B x C)



### VFD Installation Type (I)

Code	Description	Code	Description
SFA	HVAC Supply Air Fan	CDWP	Condenser Water Pump
RFA	HVAC Return Air Fan	CW	Chilled Water Pump
BEF	Building Exhaust Fan	WSP	Domestic Water Pump
MAF	Make-up Air Fan	FWP	Boiler Feed Water Pump
CTF	Cooling Tower Fan	HW	Hydronic HVAC Pump
BDF	HVAC Boiler Draft Fan	PP	Pool Pump
FM	Other Fan (Specify):	PM	Other Pump (Specify):

### Control Before VFD (II)

Code	Description
DD	Discharge Damper
IGV	Inlet Guide Vanes
OCV	Outlet Control/Throttle Valve
BV	Bypass
ONF	ON/OFF
MISC	Other (Specify):

### Control Variable (III)

Code	Description
Temp	Temperature
P	Pressure
Flow	Volume Flow Rate
Misc	Variable Input

\*Pre-Notification required for motors over 100 HP (or Process Pumps or Fans greater than 50 HP). Please fill out the Variable Frequency Drive Worksheet in the Catalog Appendix.

\*\* Measure may be eligible for New Construction applications if fan HP < 10HP or pump HP < 50HP.

**Subtotal VFD Incentive - Page 1**



## Process Variable Frequency Drives (Up to 250 HP) (\*Pre-Notification Required for Motors over 50 HP)

(Consumers Energy Electric Customers)

ID	Measure	Incentive (A)	Unit (B)
VF201	VFD on Process Pump up to 50 HP	\$125.00	HP
VF202	VFD on Process Pump 51 HP to 250 HP*	\$75.00	HP
VF203	VFD on Process Fan up to 50 HP	\$100.00	HP
VF204	VFD on Process Fan 51 HP to 250 HP*	\$50.00	HP
VF205	VFD on Process Fan - Fixed Speed (54 Hz or less)*	\$75.00	HP
VF206	VFD on Process Pump - Fixed Speed (54 Hz or less)*	\$100.00	HP
VF207	VFD on Computer Room Air Condition (CRAC) Unit	\$150.00	HP
VF208	VFD on Open Loop Pumping Systems up to 100 HP	\$40.00	HP
VF209	VFD on Condenser Fan - Med Temp Refrigeration (33 to 50°F)	\$100.00	HP
VF210	VFD on Condenser Fan - Low Temp Refrigeration (Below 32°F)	\$120.00	HP
VF211	VFD on Pool Circulation Pump - up to 50 HP	\$200.00	HP
VF212	VFD on Process Cooling Tower Fan	\$40.00	HP
VF213	VSD for Industrial Vacuum Pump Systems	\$20.00	HP

\*Pre-Notification required for motors over 100 HP (or Process Pumps or Fans greater than 50 HP). Please fill out the Variable Frequency Drive Worksheet in the Catalog Appendix.

VFD Application (See Above)	Installation Type (i)	Control Before VFD (ii)	Control Variable (iii)	Incentive Rate (See above) (A)	Controlled Motor Size (HP) (B)	Quantity (C)	Incentive (A x B x C)

### VFD Installation Type (I)

Code	Description	Code	Description
SFA	HVAC Supply Air Fan	CDWP	Condenser Water Pump
RFA	HVAC Return Air Fan	CW	Chilled Water Pump
BEF	Building Exhaust Fan	WSP	Domestic Water Pump
MAF	Make-up Air Fan	FWP	Boiler Feed Water Pump
CTF	Cooling Tower Fan	HW	Hydronic HVAC Pump
BDF	HVAC Boiler Draft Fan	PP	Pool Pump
FM	Other Fan (Specify):	PM	Other Pump (Specify):

### Control Before VFD (II)

Code	Description
DD	Discharge Damper
IGV	Inlet Guide Vanes
OCV	Outlet Control/Throttle Valve
BV	Bypass
ONF	ON/OFF
MISC	Other (Specify):

### Control Variable (III)

Code	Description
Temp	Temperature
P	Pressure
Flow	Volume Flow Rate
Misc	Variable Input

Subtotal VFD Incentive - Page 2

### Integrated Variable Speed Motor (ECM) for Fans

(Consumers Energy Electric Customers)

ID	Measure	Incentive (A)	Unit	# of HP per Motor (B)	# of Motors (C)	Total Incentive (A x B x C)
VF301	Integrated Variable Speed Motor (ECM) for Furnaces, UVs, FCs and Light Duty AHUs (up to 7.5 HP)	\$100.00	HP			
VF302	Integrated Variable Speed Motor (ECM) for Exterior Condenser Fans	\$30.00	HP			

### Integrated Variable Speed Motor (ECM) for Pumps

(Consumers Energy Electric Customers)



ID	Measure		Incentive	Unit	# of Watts	# of Motors	Total Incentive
VF303a	ECM on Domestic Hot Water Recirculation	< 500w	\$100.00	EC Motors			
VF303b		500w to 1,000w	\$250.00	EC Motors			
VF303c		> 1,000w	\$500.00	EC Motors			
VF304a	ECM on Hydronic Heating	< 500w	\$50.00	EC Motors			
VF304b		500w to 1,000w	\$150.00	EC Motors			
VF304c		> 1,000w	\$450.00	EC Motors			
VF305a	ECM on Chilled Water Circulation	< 500w	\$25.00	EC Motors			
VF305b		500w to 1,000w	\$100.00	EC Motors			
VF305c		> 1,000w	\$200.00	EC Motors			

1HP = 745.7 watts; example: a 1/16 HP motor is 46.6 watts.

**Subtotal VFD Incentive - Page 3**


**Total VFD Incentive**

## Pipe and Ductwork Insulation


Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

### Pipe Insulation - Natural Gas Heat (Pre-Notification Required)


For HVAC and Domestic Applications, limit of 500 linear feet per boiler system. (Consumers Energy Natural Gas Customers)


ID	Measure		Incentive	Unit	# of Units	Total Incentive	
IN101	Steam Space Heating (HVAC)		\$6.00	Linear Foot			<input type="checkbox"/>
IN102	Steam Condensate Space Heating (HVAC)		\$3.00	Linear Foot			<input type="checkbox"/>
IN103	Hydronic Space Heating (HVAC)		\$4.00	Linear Foot			<input type="checkbox"/>
IN104a	Domestic Hot Water	Unconditioned Space	\$2.00	Linear Foot			<input type="checkbox"/>
IN104b		Conditioned Space	\$1.00	Linear Foot			<input type="checkbox"/>
IN105a	Process Steam Pipe Insulation	Conditioned Space (Consumers Energy Electric and Natural Gas Customers)	\$3.00	Linear Foot			<input type="checkbox"/>
IN105b		Conditioned Space (Not A/C and Consumers Energy Natural Gas Customers)	\$2.00	Linear Foot			<input type="checkbox"/>
IN105c		Unconditioned Space (Consumers Energy Natural Gas Customers)	\$3.00	Linear Foot			<input type="checkbox"/>
IN106a	Process Steam Pipe	Unconditioned Space (Consumers Energy Natural Gas Customers)	\$3.00	Linear Foot			<input type="checkbox"/>
IN106b	Condensate Insulation	Conditioned Space (Not A/C and Consumers Energy Natural Gas Customers)	\$1.00	Linear Foot			<input type="checkbox"/>

### PEX Pipe Insulation (Pre-Notification Required) (Consumers Energy Natural Gas Customers)

ID	Measure		Incentive	Unit	# of Units	Total Incentive	
IN107	Domestic Hot Water	Unconditioned Space	\$2.00	Linear Foot			<input type="checkbox"/>
IN108	Hydronic Space Heating	Unconditioned Space	\$3.00	Linear Foot			<input type="checkbox"/>
IN109	Domestic Hot Water	Conditioned Space	\$1.00	Linear Foot			<input type="checkbox"/>


### Pipe Insulation - Electric (Pre-Notification Required) (Consumers Energy Electric Customers)

ID	Electric Heat		Incentive	Unit	# of Units	Total Incentive	
IN110a	Domestic Hot Water	Unconditioned Space	\$1.00	Linear Foot			<input type="checkbox"/>
IN110b		Conditioned Space	\$0.50	Linear Foot			<input type="checkbox"/>

ID	DX Suction Refrigerant Piping Insulation Location	Space Type	Incentive	Unit	# of Units	Total Incentive	
IN111	Data Center	Conditioned Space	\$0.20	Linear Foot			<input type="checkbox"/>
IN112a	Mid Temperature Refrigeration	Conditioned Space	\$0.75	Linear Foot			<input type="checkbox"/>
IN112b		Non-Conditioned Space	\$0.50	Linear Foot			<input type="checkbox"/>
IN113	Low Temperature Refrigeration	Either Conditioned Space or Non-Conditioned Space	\$3.00	Linear Foot			<input type="checkbox"/>

### Ductwork Insulation - Natural Gas Heat (Pre-Notification Required)

(Consumers Energy Natural Gas Customers only)

ID	Ductwork	Location	Air Distribution Type	Incentive	Unit	# of Units	Total Incentive	
IN114	Ductwork Insulation	Non-Conditioned Space i.e., crawl space	Supply Air	\$2.00	Square Foot			<input type="checkbox"/>
IN115			Return Air	\$3.00	Square Foot			<input type="checkbox"/>
IN116		Exterior Space	Supply Air	\$3.00	Square Foot			<input type="checkbox"/>
IN117			Return Air	\$3.00	Square Foot			<input type="checkbox"/>

**Total Pipe and Ductwork Insulation Incentive**



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