

2023 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.

Need help?
Call 877-607-0737
or Email: 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-23-**_____

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"/> Municipality/Assembly | <input type="checkbox"/> Full Service Restaurant |
| <input type="checkbox"/> Convenience Store | <input type="checkbox"/> School (K-8) | <input type="checkbox"/> Large Office | <input type="checkbox"/> Quick Service Restaurant |
| <input type="checkbox"/> Grocery | <input type="checkbox"/> University/College | <input type="checkbox"/> Small Office | <input type="checkbox"/> Warehouse |
| <input type="checkbox"/> Data | <input type="checkbox"/> Hospital | <input type="checkbox"/> Religious | <input type="checkbox"/> Other _____ |
- Facility Size (Area) _____ ft²

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 | Email |

Rebate Admin Name & Email

* 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 - |
|------|----------|------|

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 | |
| 20% 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 | | |
|---|-----------|-------|
| Skip This Section If Rebate Check Will Be Made Payable To Customer | | |
| 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. | | |
| Authorized By: | | |
| Customer Name | Signature | Date |
| Check should be made payable to: | | |
| 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)

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. This  means equipment qualifies for New Construction.

| ID | Equipment Type | Size Category | Qualifying Efficiency | Incentive | Unit | ID | Equipment Type | Size Category | Qualifying Efficiency | Incentive | Unit |
|----------------------------|---|-----------------------|-----------------------|-----------|----------------------|--------------|---|-------------------------|-----------------------|-----------|------|
| HV101a | Split Air Conditioning Systems (e.g. RTU) | < 5.4 tons | 15.0 SEER | \$30.00 | Ton | HV101f | Unitary Air Conditioning Systems (e.g. RTU) | < 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 | HV101g | | ≥ 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 | HV101h | | ≥ 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 | HV101i | | ≥ 20 to < 63 tons | 10.6 EER/ 12.1 IEER | \$30.00 | Ton |
| HV101e | | > 63 tons | 10.2 EER/ 11.4 IEER | \$30.00 | Ton | HV101j | | ≥ 63 tons | 10.2 EER/ 11.4 IEER | \$30.00 | Ton |
| Equipment Type (See Above) | Make and Model | | SEER/ EER | IEER | Unit Size (Tons) (A) | Quantity (B) | Incentive (See Above) (C) | Total Incentive (AxBxC) | | | |
| | | | | | | | | | | | |
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High-Efficiency Data Center, Telecom and Computer Room Air Conditioning (Pre-Notification Required)

(Consumers Energy Electric Customers)

| ID | Equipment Type | Rating Condition* | Min SCOP | Incentive Per MBH (A) | Actual SCOP | Unit Size (MBH) (B) | Quantity (C) | Total Incentive (AxBxC) |
|--------|---|-------------------|----------|-----------------------|-------------|---------------------|--------------|-------------------------|
| HV102a | High-Efficiency Data Center, Telecom, and Computer Room Air Conditioning System | Air Cooled | Class 1 | 2.20 | \$20.00 | | | |
| HV102b | | Water Cooled | Class 1 | 2.51 | \$20.00 | | | |
| HV102c | | Glycol Cooled | Class 1 | 2.08 | \$20.00 | | | |
| HV102d | | Air Cooled | Class 2 | 2.78 | \$20.00 | | | |
| HV102e | | Water Cooled | Class 2 | 2.97 | \$20.00 | | | |
| HV102f | | Glycol Cooled | Class 2 | 2.53 | \$20.00 | | | |
| HV102g | | Air Cooled | Class 3 | 2.82 | \$20.00 | | | |
| HV102h | | Water Cooled | Class 3 | 2.73 | \$20.00 | | | |
| HV102i | | Glycol Cooled | Class 3 | 2.47 | \$20.00 | | | |

*Proposed or Actual Operating Return Temperature Equipment Class:

Class 1 - Temperature ≤ 75°F


Class 2 - Temperature > 75°F to ≤ 85°F

Class 3 - Temperature > 85°F to ≤ 95°F

Subtotal HVAC Equipment Incentive - Page 1a

High-Efficiency Data Room Air Conditioning (Pre-Notification Required)

(Consumers Energy Electric Customers)

| ID | New Equipment Type and Pre-Retrofit System Rating Condition* | | Return Temp Increase | Incentive per MBH (A) | Unit Size MBH (B) | Quantity (C) | Total Incentive (AxBxC) |  |
|--------|--|-------------------------|----------------------|-----------------------|-------------------|--------------|-------------------------|---|
| HV103a | Data Room Hot/Cold Aisle Configuration | Air Cooled - Class 1 | 5°F | \$10.00 | | | | <input type="checkbox"/> |
| HV103b | | Air Cooled - Class 2 | 5°F | \$10.00 | | | | <input type="checkbox"/> |
| HV103c | | Glycol Cooled - Class 1 | 5°F | \$10.00 | | | | <input type="checkbox"/> |
| HV103d | | Glycol Cooled - Class 2 | 5°F | \$10.00 | | | | <input type="checkbox"/> |
| HV103e | | Water Cooled - Class 1 | 5°F | \$10.00 | | | | <input type="checkbox"/> |
| HV103f | | Water Cooled - Class 2 | 5°F | \$10.00 | | | | <input type="checkbox"/> |
| HV103g | | Air Cooled - Class 1 | 10°F | \$20.00 | | | | <input type="checkbox"/> |
| HV10h | | Air Cooled - Class 2 | 10°F | \$20.00 | | | | <input type="checkbox"/> |
| HV103i | | Glycol Cooled - Class 1 | 10°F | \$20.00 | | | | <input type="checkbox"/> |
| HV103j | | Glycol Cooled - Class 2 | 10°F | \$20.00 | | | | <input type="checkbox"/> |
| HV103k | | Water Cooled -Class 1 | 10°F | \$20.00 | | | | <input type="checkbox"/> |
| HV103l | | Water Cooled - Class 2 | 10°F | \$20.00 | | | | <input type="checkbox"/> |


*Pre-Retrofit Operating Return Temperature Equipment Class:

Class 1 - Temperature ≤ 75°F



Class 2 - Temperature > 75°F to ≤ 85°F

Packaged Terminal and Ductless Air Conditioners

(Consumers Energy Electric Customers)

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

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. This  means equipment qualifies for New Construction.

Ground-Loop Heat Pump

(Consumers Energy Electric Customers)

| ID | Equipment Type | Size | \$/ton Base Incentive (17 EER / 3.5 COP) (A) | \$/ton Incr. Incentive (0.1 EER/ COP) (B) | Quantity (C) | Unit Size (Tons) (D) | EER/ COP (E) | Base Incentive (F)= (AxCxD) | Incremental Incentive (G)* | Total Incentive (F+G) |
|-------|-----------------------|------------------------|--|---|--------------|----------------------|--------------|-----------------------------|----------------------------|-----------------------|
| HV201 | Ground-Loop Heat Pump | < 135 MBH (11.25 tons) | \$30.00 | \$1.00 | | | | | | |

*G = B x [(E - (17 EER or 3.5 COP) / 0.1]

Humidification (Pre-Notification Required)

(Consumers Energy Electric Customers)

| ID | Equipment Type | Incentive | Unit | Number of Humidifiers | Total Area Served (ft²) | Total Incentive |
|-------|-----------------------|-----------|-------------|-----------------------|-------------------------|-----------------|
| HV202 | Ultrasonic Humidifier | \$0.10 | Square Foot | | | |

High-Efficiency Air- and Water-Cooled 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 | Total 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. This  means equipment qualifies for New Construction.


Industrial Fans (Pre-Notification Required)

| ID | Fan 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"/> |


Space and Process Heating


(Consumers Energy Natural Gas Customers, unless otherwise stated)


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


| ID | HVAC Steam or Process Boiler Type* | Incentive (A) | Input Unit | Quantity (B) | Unit Size (C) | Total Incentive (AxBxC) |  |
|-------|---|---------------|------------|--------------|---------------|-------------------------|---|
| HV305 | Process Steam Boilers (at Least 82% Efficiency) | \$1.25 | MBH | | | | <input type="checkbox"/> |
| HV306 | HVAC Steam Boilers (at Least 82% Efficiency) >300 MBH | \$2.00 | MBH | | | | <input type="checkbox"/> |
| HV307 | Process Hydronic (Water) Boilers (at Least 82% Efficiency) | \$1.20 | MBH | | | | <input type="checkbox"/> |
| HV308 | High-Efficiency Pool Water Heater (at Least 84% Efficiency) | \$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 or AHU Type | Incentive (A) | Input Unit | Quantity (B) | Unit Size (C) | Total Incentive (AxBxC) |  |
|-------|---|---------------|------------|--------------|---------------|-------------------------|---|
| HV309 | High-Efficiency Unit Heater (at Least 92% Efficiency) | \$3.99 | MBH | | | | <input type="checkbox"/> |
| HV310 | High-Efficiency Unit Heater (at Least 95% Efficiency) | \$7.91 | MBH | | | | <input type="checkbox"/> |
| HV311 | Direct-Fired Makeup Air Handling Units | \$1.50 | MBH | | | | <input type="checkbox"/> |



| ID | RTU Type | Incentive (A) | Input Unit | Quantity (B) | Unit Size (C) | Total Incentive (AxBxC) |  |
|-------|-------------------------|---------------|------------|--------------|---------------|-------------------------|---|
| HV312 | Condensing Rooftop Unit | \$25.00 | MBH | | | | <input type="checkbox"/> |

| ID | Infrared Heater Type (Pre-Notification Required) | Incentive (A) | Input Unit | Quantity (B) | Unit Size (C) | Total Incentive (AxBxC) |  |
|-------|---|---------------|------------|--------------|---------------|-------------------------|---|
| 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 | Furnace Type | Incentive (A) | Input Unit | Quantity (B) | Unit Size (C) | Total Incentive (AxB) |  |
|-------|---|---------------|------------|--------------|---------------|-----------------------|---|
| 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. This  means equipment qualifies for New Construction.

Domestic Water Heating

(Consumers Energy Natural Gas Customers, unless otherwise stated)

| ID | Domestic Water Heater Type | | Incentive | Input Unit | Unit Size (MBH) | Quantity | Total Incentive |  |
|--------|--|--|-----------|------------|---|----------|-----------------|---|
| HV401 | High-Efficiency Domestic Water Heating Boilers (> 75 MBH, ≥ 94% Thermal Efficiency) | | \$1.50 | MBH | | | | <input type="checkbox"/> |
| HV402a | High-Efficiency Tank-Style Domestic Water Heater (< 55 Gallons) | ≤ 75 MBH, ≥ 0.64 UEF | \$60.00 | Heater |  | | | <input type="checkbox"/> |
| HV402b | | ≤ 75 MBH, ≥ 0.68 UEF | \$150.00 | 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 Gallons, > 75 MBH, 94% Thermal Efficiency) | | \$275.00 | Heater |  | | | <input type="checkbox"/> |
| HV404a | High-Efficiency Tankless Water Heater | Natural Gas, ≥ 0.87 UEF | \$150.00 | Heater |  | | | <input type="checkbox"/> |
| HV404b | | Electric, ≥ 0.95 UEF (Consumers Energy Electric Customers) | \$50.00 | 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

HVAC System Automation (Pre-Notification Required)

| ID | Measure | | Incentive | Unit | # of Units | Total Incentive |
|---|--|---|-----------|-------------|------------|-----------------|
| BA101a | Web-Based Building Automation Systems (BAS) | Air Conditioning (Consumers Energy Electric Customers) | \$0.15 | Square Foot | | |
| BA101b | (Temperature Setback in Non-occupied Periods) | 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 | | |







Chilled Water Plant Controls (Pre-Notification Required)

| ID | Measure | | Incentive | Unit | # of Units | Total Incentive |
|--------|--|--|-----------|------|------------|-----------------|
| 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 Unit Controls (Pre-Notification Required)

| ID | Measure | | Incentive | Unit | # of Units | Total Incentive |
|--------|------------------------------|---|-----------|------|------------|-----------------|
| BA111a | Enhanced Ventilation Control | Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers) | \$100.00 | Ton | | |
| BA111b | | Natural Gas Heat (Consumers Energy Natural Gas Customers) | \$75.00 | Ton | | |
| BA111c | | Air Conditioning (Consumers Energy Electric Customers) | \$50.00 | Ton | | |

Unitary HVAC Controls (Pre-Notification Required)


| ID | Measure | | Area (ft ²) | 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 | Smart Thermostat with Intrinsic Occupancy Sensor Control | 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 | Measure | | Incentive | Unit | # of Units | Total Incentive |  |
|--------|--|---|-----------|-------------|------------|-----------------|---|
| BA204 | Demand Control Ventilation for HVAC Systems | Natural Gas Heat (Consumers Energy Natural Gas Customers) | \$0.10 | Square Foot | | | <input type="checkbox"/> |
| BA205a | Occupancy Sensor Control for HVAC 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 Sensor Control for HVAC Systems | Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers) | \$0.20 | Square Foot | | | <input type="checkbox"/> |
| BA206b | | Natural Gas Heat (Consumers Energy Natural Gas Customers) | \$0.30 | 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 | 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 | Oxygen Trim Burner Control* | HVAC | \$0.20 | MBH | | | |
| BA303b | | Process | \$0.75 | | | | |
| BA304a | Linkageless (Parallel Positioning) Burner Control* | HVAC | \$0.50 | MBH | | | <input type="checkbox"/> |
| BA304b | | Process | \$0.75 | | | | <input type="checkbox"/> |
| BA305a | Combination Oxygen Trim and Linkageless Burner Control* | HVAC | \$0.60 | MBH | | | <input type="checkbox"/> |
| BA305b | | Process | \$1.00 | | | | <input type="checkbox"/> |
| BA306 | Outdoor Reset Control Retrofit | | \$0.70 | MBH | | | |
| BA307 | Basic Snow/Ice Melt Controls Retrofit | | \$0.50 | Square Foot | | | <input type="checkbox"/> |
| BA308 | Enhanced Snow/Ice 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 and ≤ 100 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. This  means equipment qualifies for 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"/> |



HVAC Energy Recovery (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

| ID | Measure | Incentive (A) | Unit | # of Units (B) | Unit Size (CFM) (C) | Total Incentive (AxBxC) |  |
|-------|---|---------------|------|----------------|---------------------|-------------------------|---|
| AE102 | Enthalpy Wheel Energy Recovery Unit | \$0.40 | CFM | | | | <input type="checkbox"/> |
| AE103 | Fixed-Plate Air-to-Air Energy Recovery Unit | \$0.35 | CFM | | | | <input type="checkbox"/> |
| AE104 | Dust Collector Exhaust Air Recovery Unit | \$1.50 | CFM | | | | <input type="checkbox"/> |

Boiler Efficiency Improvements (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

| ID | Measure | Stack Temp Decrease | Incentive (A) | Input Unit | # of Units (B) | Unit Size (CFM) (C) | Total Incentive (AxBxC) |  |
|--------|---|---------------------|---------------|----------------|----------------|---|-------------------------|---|
| AE105a | HVAC Boiler Stack Economizer | 80 Degrees | \$0.50 | MBH | | | | <input type="checkbox"/> |
| AE105b | | 200 Degrees | \$1.00 | MBH | | | | <input type="checkbox"/> |
| AE106a | Process Boiler Stack Economizer | 80 Degrees | \$0.75 | MBH | | | | <input type="checkbox"/> |
| AE106b | | 200 Degrees | \$1.50 | MBH | | | | <input type="checkbox"/> |
| AE107 | Waste Heat Recovery for Steam Boiler Makeup, Domestic and Process Water Heating | | \$10.00 | MMBtu/yr | |  | | <input type="checkbox"/> |
| AE108 | Automatic Boiler Blowdown Reduction | | \$0.02 | Gal/yr Reduced | | | | <input type="checkbox"/> |



Grocery Store Refrigeration Equipment Condenser Waste Heat Recovery (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

| ID | Measure | Incentive (A) | Unit | # of Units (B) | Unit Size (Tons) (C) | Total Incentive (AxBxC) |
|-------|--|---------------|------|----------------|----------------------|-------------------------|
| AE109 | Refrigeration Waste Heat Recovery Decreasing Domestic Water Heating Load | \$200.00 | Ton | | | |
| AE110 | 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. This  means equipment qualifies for New Construction.

Data Center, Telecom and Computer Room Air Conditioning (CRAC) System Air-Side Economizer (Pre-Notification Required)

(Consumers Energy Electric Customers)

| ID | Equipment Type* | Incentive | Unit | # of Units | Total Incentive |
|--------|---|------------------------------|------|------------|-----------------|
| AE201a | Data Center, Telecom and Computer Room Air Conditioning (CRAC) System Air-Side Economizer | Glycol - Class 1 | MBH | | |
| AE201b | | Glycol - Class 2 | MBH | | |
| AE201c | | Glycol - Class 3 | MBH | | |
| AE202a | | Fresh Air - Class 1 | MBH | | |
| AE202b | | Fresh Air - Class 2 | MBH | | |
| AE202c | | Fresh Air - Class 3 | MBH | | |
| AE203a | | Pumped Refrigerant - Class 1 | MBH | | |
| AE203b | | Pumped Refrigerant - Class 2 | MBH | | |
| AE203c | | Pumped Refrigerant - Class 3 | MBH | | |
| AE204 | | Air to Air Heat Exchanger | MBH | | |

*See Equipment Class by Operating Return Temperature table on page 22.

Water-Side Economizer (Pre-Notification Required)

(Consumers Energy Electric Customers)

| ID | Equipment Type | Incentive | Unit | # of Units | Total Incentive |
|-------|----------------------|-----------|------|------------|-----------------|
| AE205 | Water-Cooled Chiller | \$60.00 | Ton | | |
| AE206 | Air-Cooled Chiller | \$150.00 | Ton | | |

HVAC or Process Equipment Condenser Waste Heat Recovery (Pre-Notification Required)

| ID | Measure | Customer Type | Incentive | Unit | # of Units | Total Incentive |
|-------|---|---------------------------------------|-----------|------|------------|-----------------|
| AE207 | Water-Cooled Condenser (Electric DWH, HVAC, or Process Applications) | Consumers Energy Electric Customer | \$400.00 | Ton | | |
| AE208 | Air-Cooled Condenser (Electric DWH HVAC, or Process Applications) | Consumers Energy Electric Customer | \$500.00 | Ton | | |
| AE209 | Water-Cooled Condenser (Natural Gas DWH, HVAC, or Process Applications) | Consumers Energy Natural Gas Customer | \$150.00 | Ton | | |
| AE210 | Air-Cooled Condenser (Natural Gas DWH, HVAC, or Process Applications) | Consumers Energy Natural Gas Customer | \$200.00 | Ton | | |



Operating Room Air Changes per Hour (ACH) Setback (Pre-Notification Required)

| ID | Measure | Customer Type | Incentive | Unit | # of Units | Total Incentive |
|--------|--|--|-----------|-------------|------------|-----------------|
| AE211a | Operating Room with at least 20% Outside Air | Consumers Energy Natural Gas and Electric Customer | \$2.00 | Square Foot | | |
| AE211b | | Consumers Energy Natural Gas Customer | \$1.00 | Square Foot | | |
| AE211c | | Consumers Energy Electric Customer | \$1.00 | Square Foot | | |
| AE212a | Operating Room with 100% Outside Air | Consumers Energy Natural Gas and Electric Customer | \$3.00 | Square Foot | | |
| AE212b | | Consumers Energy Natural Gas Customer | \$1.50 | Square Foot | | |
| AE212c | | 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 Incentive

Variable Frequency Drives (VFD)

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. This  means equipment qualifies for New Construction.

HVAC Variable Frequency Drives

(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 HVAC Cooling Tower Fan up to 100 HP* | \$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) up to 100 HP* | \$50.00 | HP |
| VF107 | VFD on CW HVAC Pumps - Fixed Speed (54 Hz or less) Bypass up to 100 HP* | \$40.00 | HP |
| VF108 | VFD on CW HVAC Pumps - Fixed Speed (54 Hz or less) Throttled up to 100 HP* | \$25.00 | HP |
| VF109 | VFD on HW HVAC Pumps - Fixed Speed (54 Hz or less) Bypass up to 100 HP* | \$70.00 | HP |
| VF110 | VFD for HW HVAC Pumps - Fixed Speed (54 Hz or less) Throttled up to 100 HP* | \$40.00 | HP |
| VF111 | 2-Speed RTU Supply Fan* | \$20.00 | Ton |
| VF112 | VFD on HVAC or Grocery Store Refrigeration System Condenser Fan* | \$50.00 | Ton of Load |

*Measure may be eligible for New Construction applications if variable speed control is not required by code (consult Incentive Catalog and ASHRAE 90.1-2013).

| VFD Application (See Above) | Installation Type (I) | Control Before VFD (II) | VFD Control Variable (III) | Incentive (See Above) (A) | Unit Size (HP or Tons) (See Above) (B) | Quantity (C) | Total Incentive (A x B x C) |
|-----------------------------|-----------------------|-------------------------|----------------------------|---------------------------|--|--------------|-----------------------------|
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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 | Makeup Air Fan | FWP | Boiler Feedwater 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): |

VFD Control Variable (III)

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

Subtotal VFD Incentive - Page 1

Variable Frequency Drives (VFD)

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. This  means equipment qualifies for New Construction.

Process VFDs (Up to 250 HP) (**Pre-Notification Required for Motors over 50 HP- see Incentive Catalog)

(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) up to 250 HP** | \$75.00 | HP |
| VF206 | VFD on Process Pump - Fixed Speed (54 Hz or less) up to 250 HP** | \$100.00 | HP |
| VF207 | VFD on Data Center, Telecom, or Computer Room Air Conditioning (CRAC) System* | \$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 on Industrial Vacuum Pump System up to 25 HP | \$20.00 | HP |

*Measure may be eligible for New Construction applications if variable speed control is not required by code (consult Incentive Catalog and ASHRAE 90.1-2013).

**Pre-Notification required for motors over 50 HP. Please fill out and submit the Variable Frequency Drive Worksheet in the Catalog Appendix, complete the power monitoring described on the VFD Worksheet, and submit the power monitoring data (kW) with the Final Application.

***Grocery store refrigeration systems do not qualify for this measure.

| VFD Application (See Above) | Installation Type (I) | Control Before VFD (II) | VFD Control Variable (III) | Incentive (See Above) (A) | Unit Size (HP) (See Above) (B) | Quantity (C) | Total Incentive (A x B x C) |
|--------------------------------|-----------------------------|----------------------------------|-------------------------------------|---------------------------------|--------------------------------------|-----------------|-----------------------------------|
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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 | Makeup Air Fan | FWP | Boiler Feedwater 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): |

VFD Control Variable (III)

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

Subtotal VFD Incentive - Page 2

Variable Frequency Drives (VFD)

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. This  means equipment qualifies for New Construction.

Integrated Variable Speed Motor (e.g. 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 (e.g. ECM) for Furnace, UV, FC, and Light Duty AHU Fans (up to 7.5 HP)* | \$100.00 | HP | | | |
| VF302 | Integrated Variable Speed Motor (e.g. ECM) for Exterior Condenser Fans* | \$30.00 | HP | | | |

*Measure may be eligible for New Construction applications if variable speed control is not required by code (consult Incentive Catalog and ASHRAE 90.1-2013).

Integrated Variable Speed Motor (e.g. ECM) for Pumps

(Consumers Energy Electric Customers)

| ID | Measure | | Incentive | Unit | Watts per Motor | # of Motors | Total Incentive |
|--------|---|----------------|-----------|-----------|-----------------|-------------|-----------------|
| VF303a | ECM on Domestic Hot Water Recirculation Pumps | < 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 Circulation Pumps* | < 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 Pumps* | < 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.

*Measure may be eligible for New Construction applications if variable speed control is not required by code (consult Incentive Catalog and ASHRAE 90.1-2013).

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. This  means equipment qualifies for New Construction.


Pipe Insulation - Natural Gas Heating (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 Supply Piping (Unconditioned Space) | | \$6.00 | Linear Foot | | | <input type="checkbox"/> |
| IN102 | Steam Space Heating Condensate Piping (Conditioned or Unconditioned Space) | | \$3.00 | Linear Foot | | | <input type="checkbox"/> |
| IN103 | Hydronic Space Heating Piping (Unconditioned Space) | | \$4.00 | Linear Foot | | | <input type="checkbox"/> |
| IN104a | Domestic Hot Water Piping | Unconditioned Space | \$2.00 | Linear Foot | | | <input type="checkbox"/> |
| IN104b | | Conditioned Space | \$1.00 | Linear Foot | | | <input type="checkbox"/> |
| IN105a | Process Steam Supply Piping | 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 Condensate Piping | Unconditioned Space (Consumers Energy Natural Gas Customers) | \$3.00 | Linear Foot | | | <input type="checkbox"/> |
| IN106b | | Conditioned Space (Not A/C and Consumers Energy Natural Gas Customers) | \$1.00 | Linear Foot | | | <input type="checkbox"/> |


PEX Pipe Insulation - Natural Gas Space and Domestic Water Heating (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 Domestic Water Heating and DX Refrigerant (Pre-Notification Required)


(Consumers Energy Electric Customers)

| ID | Measure | | 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 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 | | Unconditioned Space | \$0.50 | Linear Foot | | | <input type="checkbox"/> |
| IN113 | Low Temperature Refrigeration | Conditioned or Unconditioned Space | \$3.00 | Linear Foot | | | <input type="checkbox"/> |

Ductwork Insulation - Natural Gas Heating (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

| ID | Measure | Space Type | Air Distribution Type | Incentive | Unit | # of Units | Total Incentive |  |
|-------|--|--|-----------------------|-----------|-------------|------------|-----------------|---|
| IN114 | Supply or Return Air Ductwork Insulation | Unconditioned Space (e.g. 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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