



Minnesota Cooling Efficiency Rebate Program

2017 Changes

We anticipate that the rebate levels offered through the Minnesota Cooling Efficiency program will change as of January 1, 2017. The proposed levels are reflected in the chart below.

In order to receive 2016 rebate amounts, invoices for qualifying equipment need to be dated no later than December 31, 2016.

**Minnesota Cooling Efficiency rebate program
2016/2017 rebate level comparison chart**

| Product | Program year | Size | Minimum qualifying efficiency | | Rebate | | |
|------------------------|--------------|-------------|---|-------------|----------|-----------|-----------|
| | | | Full load | Part load | Base | Full load | Part load |
| Chiller – air cooled | 2016 | All | 9.7 EER | 12.0 SEER | \$8/ton | \$1.50 | \$0.75 |
| | 2017 | <149 | 9.71 EER | 14.07 IEER | \$7/ton | \$1.25 | \$0.75 |
| | | ≥150 | 9.71 EER | 14.32 IEER | | | |
| Chiller – centrifugal | 2016 | All | Improve on ASHRAE 90.1 2004 by .016 kW/ton | | \$15/ton | \$2.00 | \$1.50 |
| | 2017 | All | Improve on State energy code by .016 kW/ton | | \$10/ton | \$1.00 | \$0.75 |
| Chiller – screw/scroll | 2016 | <150 | 0.74 kW/ton | 0.63 kW/ton | \$15/ton | \$2.00 | \$1.50 |
| | | 150–300 | 0.67 kW/ton | 0.58 kW/ton | | | |
| | 2017 | <75 | 0.74 kW/ton | 0.59 kW/ton | \$10/ton | \$1.00 | \$0.75 |
| | | 75–149 | 0.73 kW/ton | 0.57 kW/ton | | | |
| | | 150–299 | 0.63 kW/ton | 0.53 kW/ton | | | |
| | ≥300 | 0.57 kW/ton | 0.49 kW/ton | | | | |
| DX unit | 2016 | <5.5 | n/a | 13.5 SEER | \$75/ton | \$5 | NA |
| | | 5.5–11.3 | 10.8 EER | n/a | | | |
| | | 11.4–19.9 | 10.7 EER | n/a | | | |
| | | 20.0–63.3 | 10.2 EER | n/a | | | |
| | | >63.3 | 9.5 EER | n/a | | | |
| | 2017 | <5.4 | n/a | 13.7 SEER | \$50/ton | \$4 | \$3 |
| | | 5.4–11.3 | 11.3 EER | 12.2 IEER | | | |
| | | 11.4–19.9 | 11.1 EER | 12.1 IEER | | | |
| >20.0 | | 10.9 EER | 12.0 IEER | | | | |

| Product | Change type | Program year | Rebate type | Minimum efficiency | Rebate amount per ton | Notes |
|--|---|--------------|-------------------|-----------------------------|-----------------------|-------|
| Mini-split heat pump | New measure | 2016 | Baseline | n/a | n/a | |
| | | 2017 | | 16 SEER & 9 HSPF | \$50 | |
| | | 2016 | Incremental | n/a | n/a | |
| | | 2017 | | 0.1 SEER | \$2 | |
| Packaged terminal air conditioner (PTAC) | Minimum Efficiency/ Rebate Amount | 2016 | Baseline | 10.8 EER | \$75 | |
| | | 2017 | | Varies by size | \$35 | |
| | Rebate Amount | 2016 | Incremental | 0.1 EER | \$5 | |
| | | 2017 | | 0.1 EER | \$4 | |
| Plate and frame heat exchanger | Product Changing from Prescriptive to Custom Offering | 2016 | Prescriptive 2016 | Wet bulb temperature | | |
| | | | | ≤52° F and >45° F | \$300 | |
| | | | | ≤45° F and >40° F | \$240 | |
| | | | | ≤40° F and >35° F | \$180 | |
| | | ≤35° F | \$120 | | | |
| 2017 | Custom 2017 | n/a | Custom rebate | | | |
| Water source heat pump | Minimum efficiency/rebate amount | 2016 | Baseline | 13.2 EER | \$75 | |
| | | 2017 | | 13.3 EER | \$50 | |
| | Rebate amount | 2016 | Incremental | 0.1 EER | \$5 | |
| | | 2017 | | 0.1 EER | \$4 | |

Examples

| Project | Program year | Rebate calculation | Total rebate |
|--------------------------------------|--------------|--|---------------------------|
| DX unit: 15-ton, 11.5 EER, 13.2 IEER | 2016 | Size rebate = \$75 x 15 tons = \$1,125 Efficiency rebate = \$5 x 15 tons x (11.5 EER – 10.7 EER) / .1 = \$600 | \$1,125 + \$600 = \$1,725 |
| | 2017 | Size rebate = \$50 x 15 tons = \$750 Full load rebate = \$4 x 15 tons x (11.5 EER–11.1 EER)/.1 = \$240 Part load rebate = \$3 x 15 tons x (13.2 IEER–12.1 IEER)/.1 = \$495 | \$750+\$240+\$495=\$1,485 |
| DX unit: 15-ton, 11.0 EER, 13.2 IEER | 2016 | Size rebate = \$75 x 15 tons = \$1,125 Efficiency rebate = \$5 x 15 tons x (11.0 EER – 10.7 EER) / .1 = \$600 | \$1,125 + \$600 = \$1,725 |
| | 2017 | No rebate. Equipment does not meet minimum qualifying full load efficiency. | \$0 |

Questions?

Contact an energy efficiency specialist at **855.839.8862** or your account manager. Visit xcelenergy.com/Cooling to learn more about our Cooling Efficiency Rebate program.