

Energy Conscious Blueprint

High Efficiency HVAC Equipment

The United Illuminating Company (UI)

Incentives for HVAC Equipment, Chillers, Motors and Variable Frequency Drives

The incentives and efficiency levels shown below apply to Energy Conscious Blueprint projects only. In order to be eligible for the listed incentives, all projects must have a signed Standard Agreement and Schedule A prior to the installation of the energy-efficiency measures. If the project involves only HVAC and/or motors, then the appropriate Express Rebate forms should be used. For other energy-efficiency measures, contact your UI representative.

HVAC

MINIMUM EFFICIENCY LEVELS AND INCENTIVES

Unitary HVAC Equipment		2008 Tier 1		2008 Tier 2	
Size		Minimum Qualifying SEER/EER	Rebate \$/ton	Minimum Qualifying SEER/EER	Rebate \$/ton
Tons	BTU's				
< 5.4	< 65,000	14.0 SEER	\$100	15.0 SEER	\$200
≥ 5.4 to < 11.25	> 65 to < 135M	11.5 EER	\$100	12.0 EER	\$150
≥ 11.25 to < 20	> 135 to < 240M	11.5 EER	\$100	12.0 EER	\$150
≥ 20 to < 30	> 240 to < 375M	10.0 EER	\$70	10.5 EER	\$120
≥ 30 to < 63.33	> 375 to < 760M	10.0 EER	\$70	10.5 EER	\$120
> 63.33	> 760M	9.7 EER	\$70	10.2 EER	\$120

HVAC CONTROLS

- Dual enthalpy economizer controls are eligible for a \$250 incentive per unit.
- Incentives for economizer controls available only when installed with new qualifying HVAC units.
- Incentives for controls applicable for Unitary Systems only and must have electric air conditioning.

ELIGIBILITY REQUIREMENTS

Air Source Heat Pump Equipment			2008 Tier 1		2008 Tier 2	
Size		Type	Minimum Qualifying SEER/EER/HSPF	Rebate \$/ton	Minimum Qualifying SEER/EER/HSPF	Rebate \$/ton
Tons	BTU's					
< 5.4	< 65,000	Split System	14.0 SEER & 8.5 HSPF	\$100	15.0 SEER & 9.0 HSPF	\$200
		Single Pkg.	14.0 SEER & 8.0 HSPF	\$100	15.0 SEER & 8.5 HSPF	\$200
≥ 5.4 to < 20.0	> 65 to < 240M	All	11.5 EER	\$100	12.0 EER	\$150
≥ 20 to 30	> 240 to 375M	All	10.0 EER	\$70	10.5 EER	\$120

ELIGIBILITY REQUIREMENTS

Water Source Heat Pump Equipment		Minimum Qualifying EER	Rebate \$/Ton
Tons	BTU's		
< 20	< 240,000	14.0	\$150

Chillers – For HVAC Applications

Condenser Type	Capacity (Tons)	Minimum Qualifying IPLV*	Incentive (\$/Tons)
Air Cooled	<100	12.1 EER	\$4.06 + [\$27.84 x (IPLV* - 12.1)]
Water Cooled	<100	0.64 kW/ton	\$5.00 + [662.50 x (0.64 - IPLV*)]
Evaporative	ALL	Contact your UI representative	
ALL	>100	Contact your UI representative	

* All ratings must be in accordance with ARI Standard 550/590-98.

1. Chillers must comply with ASHRAE 90.1-2004.

Premium-Efficiency Motors (NEMA Design Type A&B)

Open Drip Proof				
Motor Size (HP)	Speed (RPM)			Customer Incentive (\$/Motor)
	1,200	1,800	3,600	
NEMA Normal Efficiency				
1	82.5	85.5	77.0	\$45
1.5	86.5	86.5	84.0	\$45
2	87.5	86.5	85.5	\$54
3	88.5	89.5	85.5	\$54
5	89.5	89.5	86.5	\$54
7.5	90.2	91.0	88.5	\$81
10	91.7	91.7	89.5	\$90
15	91.7	93.0	90.2	\$104
20	92.4	93.6	91.0	\$113
25	93.0	94.1	91.7	\$117
30	93.6	94.1	91.7	\$135
40	94.1	94.1	92.4	\$162
50	94.1	94.5	93.0	\$198
60	94.5	95.0	93.6	\$234
75	94.5	95.0	93.6	\$270
100	95.0	95.4	93.6	\$360
125	95.0	95.4	94.1	\$540
150	95.4	95.8	94.1	\$630
200	95.4	95.8	95.0	\$630

Totally Enclosed Fan Cooled (TEFC)				
Motor Size (HP)	Speed (RPM)			Customer Incentive (\$/Motor)
	1,200	1,800	3,600	
NEMA Normal Efficiency				
1	82.5	85.5	77.0	\$50
1.5	87.5	86.5	84.0	\$50
2	88.5	86.5	85.5	\$60
3	89.5	89.5	86.5	\$60
5	89.5	89.5	88.5	\$60
7.5	91.0	91.7	89.5	\$90
10	91.0	91.7	90.2	\$100
15	91.7	92.4	91.0	\$115
20	91.7	93.0	91.7	\$125
25	93.0	93.6	91.7	\$130
30	93.0	93.6	91.7	\$150
40	94.1	94.1	92.4	\$180
50	94.1	94.5	93.0	\$220
60	94.5	95.0	93.6	\$260
75	94.5	95.4	93.6	\$300
100	95.0	95.4	94.1	\$400
125	95.0	95.4	95.0	\$600
150	95.8	95.8	95.0	\$700
200	95.8	96.2	95.4	\$700

Variable Frequency Drives (VFD) for HVAC Applications

Air Handling Fans	
Motor Size (HP)	Incentive
<5	\$0
5	\$920
7.5	\$1,310
10	\$1,320
>15	\$0

HVAC Pumps	
Motor Size (HP)	Incentive
<5	\$0
5	\$1,710
7.5	\$2,100
10	\$2,150
15	\$2,310
20	\$2,730
25	\$3,290
30	\$3,670
40	\$3,770
50	\$4,580
>50*	\$0

Cooling Tower Fans	
Motor Size (HP)	Incentive
<5	\$0
5	\$920
>7.5*	\$0

- For new construction, air handling fans > 15HP, hot or chilled water pumps > 50 HP, and cooling tower fans > 7.5 HP must have VFDs per state of Connecticut Building Code (ASHRAE 90.1 – 2004).

For the latest information, please contact the Representative at your local UI office,
call 1-877-WISE USE (877.947.3873) or visit our website www.uinet.com.



Connecticut's Energy Efficiency Programs are funded by the Conservation Charge on customer electric bills.
The Programs are designed to help customers manage their energy usage and cost.