

# 2019 HVAC/PLUMBING INCENTIVE CATALOG SUPPLEMENTAL DATA SHEET

THIS FORM MUST BE ATTACHED TO COMPLETED INCENTIVE APPLICATION AND SUBMITTED TOGETHER. NEED HELP? CALL 800.762.7077.

## HOW TO FILL OUT THIS FORM

Please refer to:

- The **HVAC/Plumbing Incentive Catalog** for measure requirements and information.
- Complete the table corresponding to the measure in the catalog.

Attach this form to a completed **Incentive Application** and submit together.

## CUSTOMER INFORMATION

JOB SITE BUSINESS NAME \_\_\_\_\_

JOB SITE ADDRESS \_\_\_\_\_

TRADE ALLY NAME \_\_\_\_\_

### A1 AIR CONDITIONING SPLIT AND PACKAGED SYSTEMS (> 5.42 TONS) – PAGE 34

INCENTIVE CODE: H4368, H4369, H4370, H4371, M-H4368, M-H4369, M-H4370, M-H4371, S-H4368, S-H4369, S-H4370, S-H4371

EQUIP #	(A) AHRI RATED CAPACITY (tons, 2 decimals)	(B) AHRI RATED PART LOAD EFFICIENCY (IEER, 2 decimals)	(C) PART LOAD EFF TO QUALIFY (IEER) (from Measure Description pg 34)	(D) DELTA EFFICIENCY (B - C)	(E) ADDITIONAL INCENTIVE (D x \$5)	(F) BASE INCENTIVE (\$/ton)	(G) INCENTIVE RATE (\$/ton) (E + F)	TOTAL INCENTIVE* (A x G)
<i>Example</i>	15.00	13.60	13.00	0.60	\$3	\$30	\$33	\$495

### A2 SPLIT SYSTEM AIR CONDITIONING - CONDENSING UNIT ONLY – PAGE 35

INCENTIVE CODE: H3909, M-H3909, S-H3903

EQUIP #	(A) AHRI RATED CAPACITY (tons, 2 decimals)	(B) AHRI RATED PART LOAD EFFICIENCY (EER, 2 decimals)	(C) PART LOAD EFF TO QUALIFY (EER) (from Measure Description pg 35)	(D) DELTA EFFICIENCY (B - C)	(E) ADDITIONAL INCENTIVE (D x \$5)	(F) BASE INCENTIVE (\$/ton)	(G) INCENTIVE RATE (\$/ton) (E + F)	TOTAL INCENTIVE* (A x G)
<i>Example</i>	15.00	11.60	11.10	0.50	\$2.50	\$25	\$27.50	\$412.50

### B1 CHILLERS (BUILDING COOLING LOAD) – PAGE 36-38

INCENTIVE CODE: H4712, H4713, H4714, H4715, H4716, H4717, H4718, H4719, H4720, H4721, H4722, H4723, H4724, H4725, H4726, H4727, H4729, H4730, H4731, H4732, H4733, H4734, H4735, S-H4712, S-H4714, S-H4716, S-H4717, S-H4721, S-H4722, S-H4726, S-H4731, M-H4712, M-H4713, M-H4714, M-H4715, M-H4716, M-H4717, M-H4718, M-H4719, M-H4720, M-H4721, M-H4722, M-H4723, M-H4724, M-H4725, M-H4726, M-H4727, M-H4728, M-H4729, M-H4730, M-H4731, M-H4732, M-H4733, M-H4734, M-H4735

EQUIP #	ANNUAL HOURS OF CHILLER OPERATION (hours chiller enabled to provide some cooling to building)	BUILDING/SPACE DESIGN COOLING LOAD (tons)	BASE OR TRIM CHILLER?	CHILLER LOCKOUT TEMPERATURE (°F)	CODE COMPLIANCE PATH: A OR B
<i>Example</i>	4,000	90.00	Base	53 °F	Path A

### B2 CHILLERS (EQUIPMENT PERFORMANCE) – PAGE 36-38

INCENTIVE CODE: H4712, H4713, H4714, H4715, H4716, H4717, H4718, H4719, H4720, H4721, H4722, H4723, H4724, H4725, H4726, H4727, H4729, H4730, H4731, H4732, H4733, H4734, H4735, S-H4712, S-H4714, S-H4716, S-H4717, S-H4721, S-H4722, S-H4726, S-H4731, M-H4712, M-H4713, M-H4714, M-H4715, M-H4716, M-H4717, M-H4718, M-H4719, M-H4720, M-H4721, M-H4722, M-H4723, M-H4724, M-H4725, M-H4726, M-H4727, M-H4728, M-H4729, M-H4730, M-H4731, M-H4732, M-H4733, M-H4734, M-H4735

EQUIP #	(A) AHRI RATED CAPACITY (tons, 3 decimals)	(B) MAX FULL LOAD (kW/ton) (from Measure Description pg 36-38)	(C) AHRI RATED FULL LOAD EFFICIENCY (kW/ton, 3 decimals)	(D) MAX PART LOAD (IPLV) (kW/ton) (from Measure Description pg 36-38)	(E) AHRI RATED PART LOAD EFFICIENCY (IPLV) (kW/ton, 3 decimals)	(F) DELTA EFFICIENCY: ((B - C) + (D - E))	(G) ADDITIONAL INCENTIVE (\$/ton) (F x \$150)	(H) BASE INCENTIVE (\$/ton)	(I) INCENTIVE RATE (\$/ton) (G + H)	TOTAL INCENTIVE* (A x I)
<i>Example (air cooled)</i>	95.000	1.160	1.120	0.880	0.840	0.080	\$12	\$8	\$20	\$1,900

**C ENERGY RECOVERY VENTILATOR (ERV) – INCENTIVE CODE: H2314, S-H2314, M-H2314** **PAGE 42**

EQUIP #	HOURS OF OPERATION (hrs/wk)	SUPPLY AIRFLOW (AHRI listed CFM)	AHRI WINTER EFFECTIVENESS %	AHRI SUMMER EFFECTIVENESS %	HEATING SYSTEM EFFICIENCY (%)	COOLING SYSTEM EFFICIENCY (kW/ton or EER, 2 decimals)
<i>Example</i>	60 hrs/wk	2,000	81%	77%	80%	1.20 kW/ton

**D ECONOMIZERS – INCENTIVE CODE: H3066, S-H3066** **PAGE 43**

EQUIP #	RTU RATED CAPACITY (tons)	RTU COOLING EFFICIENCY (EER, IF KNOWN)	ECONOMIZER CHANGEOVER TEMP (°F)	AHU CONTROLS (no setback or EMS/t-stat)
<i>Example</i>	10.00	10.30	60 °F	T-stat

**E ADVANCED ROOFTOP UNIT CONTROLLERS – INCENTIVE CODE: H3964, S-H3964, M-H3964** **PAGE 44**

EQUIP #	NOMINAL COOLING CAPACITY (tons)	FAN HP	ECONOMIZER OPERATIONAL (YES / NO)?	WEEKDAY OPEN / CLOSE TIMES	SATURDAY OPEN / CLOSE TIMES	SUNDAY OPEN / CLOSE TIMES
<i>Example</i>	15.00	5	Yes	7 AM / 9 PM	8 AM / 10 PM	11 AM / 7 PM
				/	/	/
				/	/	/

**F DEMAND CONTROLLED VENTILATION (DCV) – INCENTIVE CODE: H3266, S-H3266 (SINGLE ZONE RTU); H2853, S-H2853 (DCV FOR AHU)** **PAGE 45**

EQUIP #	SPACE COOLING TYPE	SPACE HEATING TYPE	AREA SERVED TYPE	AHU COOLING SIZE (TONS)	HOURS OF OPERATION/ WEEK	AREA SERVED (sq ft)	ECONOMIZER (DB, ENTH, none)	AHU CONTROLS (no setback, EMS/T-STAT)	TOTAL SUPPLY AIRFLOW RATE (CFM)	OUTSIDE AIRFLOW RATE (CFM)
<i>Example</i>	<i>DX</i>	<i>Gas</i>	<i>Office</i>	12.00	60	10,000	<i>DB</i>	<i>T-stat</i>	12,000	3,000

**G GUEST ROOM ENERGY MANAGEMENT CONTROLS – INCENTIVE CODE: H2374, S-H2374** **PAGE 46**

HVAC SYSTEM TYPE	COOLING EFFICIENCY W/ UNITS	HEATING EFFICIENCY W/ UNITS	“OTHER HEAT OPTION” EXPLANATION	HEATING SYSTEM SOURCE (if WSHP or fan coil)	COOLING SYSTEM SOURCE (if WSHP or fan coil)
<i>Fan Coil Unit</i>	1.15 kW/ton	90%	<i>N/A</i>	<i>Hot Water Boiler</i>	<i>Air-Cooled Chiller</i>

**H PARKING GARAGE VENTILATION CONTROLS – INCENTIVE CODE: H3016, M-H3016, H3493, M-H3493** **PAGE 48**

LOCATION	EXHAUST FAN SIZE (HP)	PROPOSED FAN OPERATION (hrs/day)	VENTILATION AIRFLOW (CFM)	GARAGE SIZE (sq ft, if heated)	HEATING SYSTEM EFFICIENCY (%)	HEATING SETPOINT (°F)
<i>Garage-1a</i>	10	10	6,700	10,000	80%	55 °F

**I SURGERY OCCUPANCY CONTROLS – INCENTIVE CODE: H3632** **PAGE 48**

LOCATION	AVERAGE AREA (SQ FT) OF SURGERY ROOMS	WHEN ARE SURGERY ROOMS OCCUPIED?	ESTIMATED SURGERY HRS/YRS	RE-HEAT TYPE ( <i>electric</i> or <i>gas</i> )	EXISTING AIR CHANGES PER HOUR	ROOM TEMPERATURE SETPOINT, °F	DISCHARGE AIR TEMPERATURE, °F	# OF ROOMS WITH CONTROLS
<i>Example</i>	400	6 AM to 10 PM	5,840	<i>gas</i>	20	65 °F	50 °F	4

**J VARIABLE FREQUENCY DRIVES –** **PAGE 49-50**  
**INCENTIVE CODE: H2640, HN2640, S-H2640, M-H2640, H2641, HN2641, S-H2641, M-H2641, H2643, HN2643, S-H2643, M-H2643, H2726, HN2726, S-H2726, M-H2726, H2644, HN2644, S-H2644, M-H2644, H2646, HN2646, S-H2646, M-H2646**

VFD #	VFD APPLICATION	CONTROLS BEFORE VFD	EQUIPMENT OPERATING HOURS (2,000 hr/yr min)	HP CONTROLLED BY VFD	QUANTITY	SUBTOTAL INCENTIVE (qty X HP X S/HP)*
<i>AHU-1a</i>	<i>HVAC Fan</i>	<i>Inlet Guide Vanes</i>	2500	10	3	

\*Focus on Energy may adjust total incentive based on project caps. Please see measure requirements and Terms and Conditions for more information.

**K HIGH-USE COMMERCIAL WATER HEATERS – INCENTIVE CODE: P3045, S-P3045, P3046, S-P3046, P3047, S-P3047, P3684 PAGE 54**

BLDG TYPE	EXISTING SYSTEM FUEL TYPE	EXISTING WATER HEATER TYPE	EXISTING EFFICIENCY (% or EF)	WATER HEATER SUPPLY TEMPERATURE ( ° F)	ANNUAL OPERATION (days/year)	ACTUAL USAGE (See page 54 for units of measure)	NEW SYSTEM EFFICIENCY (% or EF)
<i>Example - Cafeteria</i>	<i>Gas</i>	<i>Gas Storage</i>	<i>82%</i>	<i>125 °F</i>	<i>350</i>	<i>400 meals/day</i>	<i>95%</i>

**L DOMESTIC HOT WATER PLANT – INCENTIVE CODE: M-P2760 PAGE 56**

EQUIP #	# OF EXISTING WATER HEATERS	INPUT CAPACITY (MBh)	TANK MFG (Required if indirect)	TANK MODEL NUMBER (Required if indirect)	TANK INPUT CAPACITY (Btu/hr) (Required if indirect)
<i>Example</i>	<i>1</i>	<i>299</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>

**M AIR SEALING – INCENTIVE CODE: M-H4749, M-H4750, M-H4751, M-H4752 PAGE 66**

EQUIP #	HEATING TYPE	HEATING EFFICIENCY	COOLING TYPE	COOLING EFFICIENCY	APPROX. BUILDING AGE (Years)	CONDITIONED FLOOR AREA (Sq Ft)	FLOOR TO FLOOR HEIGHT (Ft)	# OF FLOORS
<i>Example</i>	<i>Gas Furnace</i>	<i>80%</i>	<i>Split System A/C</i>	<i>13 SEER</i>	<i>20 years</i>	<i>10,450 sq ft</i>	<i>10 ft</i>	<i>2</i>