

# 2021 HVAC/PLUMBING INCENTIVE CATALOG SUPPLEMENTAL DATA SHEET

THIS FORM MUST BE ATTACHED TO COMPLETED INCENTIVE APPLICATION AND SUBMITTED TOGETHER. FOR PROJECTS INSTALLED BY 12/31/2021. 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 \_\_\_\_\_

### A DIRECT-FIRED MAKE-UP AIR UNITS – INCENTIVE CODE: H5081 PAGE 18

EQUIP #	OUTSIDE AIR FLOW (CFM)	DISCHARGE AIR TEMP (°F)	WEEKDAY START TIME	WEEKDAY END TIME	SATURDAY START TIME	SATURDAY END TIME	SUNDAY START TIME	SUNDAY END TIME
<i>Example</i>	5,000	65	7 AM	10 PM	8 AM	2 PM	Off	Off

### B1 AIR CONDITIONING SPLIT AND PACKAGED SYSTEMS (≥ 5.42 TONS) – INCENTIVE CODE: H4368, H4369, H4370, H4371 PAGE 21

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 21)	(D) DELTA EFFICIENCY (B - C)	(E) ADDITIONAL INCENTIVE (D x \$/ton)	(F) BASE INCENTIVE (\$/ton)	(G) INCENTIVE RATE (\$/ton) (E + F)	REQUESTED INCENTIVE* (A x G)
<i>Example</i>	15.00	13.60	13.00	0.60	\$3	\$25	\$28	\$420

### B2 SPLIT SYSTEM AIR CONDITIONING - CONDENSING UNIT ONLY – INCENTIVE CODE: H3909 PAGE 22

EQUIP #	(A) AHRI RATED CAPACITY (tons, 2 decimals)	(B) AHRI RATED FULL LOAD EFFICIENCY (EER, 2 decimals)	(C) FULL LOAD EFF TO QUALIFY (EER) (from Measure Description pg 22)	(D) DELTA EFFICIENCY (B - C)	(E) ADDITIONAL INCENTIVE (D x \$/ton)	(F) BASE INCENTIVE (\$/ton)	(G) INCENTIVE RATE (\$/ton) (E + F)	REQUESTED INCENTIVE* (A x G)
<i>Example</i>	15.00	11.60	11.10	0.50	\$2.50	\$20	\$22.50	\$337.50

### C1 CHILLERS (BUILDING COOLING LOAD) – INCENTIVE CODE: H4712, H4713, H4714, H4715, H4716, H4717, H4718, H4719, H4720, H4721, H4722, H4723, H4724, H4725, H4726, H4727, H4728, H4729, H4730, H4731, H4732, H4733, H4734, H4735 PAGE 23-25

EQUIP #	BUILDING/SPACE DESIGN COOLING LOAD (tons)	BASE OR TRIM CHILLER?	CHILLER LOCKOUT TEMPERATURE (°F)	CODE COMPLIANCE PATH: A OR B
<i>Example</i>	90.00	Base	53 °F	Path A

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

**C2 CHILLERS (EQUIPMENT PERFORMANCE) – PAGE 23-25**  
 INCENTIVE CODE: H4712, H4713, H4714, H4715, H4716, H4717, H4718, H4719, H4720, H4721, H4722, H4723, H4724, H4725, H4726, H4727, H4728, H4729, H4730, H4731, H4732, H4733, H4734, H4735

EQUIP #	(A) AHRI RATED CAPACITY (tons, 3 decimals)	(B) MAX FULL LOAD (kW/ton) (from Measure Description pg 23-25)	(C) AHRI RATED FULL LOAD EFFICIENCY (kW/ton, 3 decimals)	(D) MAX PART LOAD (IPLV) (kW/ton) (from Measure Description pg 23-25)	(E) AHRI RATED PART LOAD EFFICIENCY (IPLV) (kW/ton, 3 decimals)	(F) DELTA EFFICIENCY: ((B - C) + (D - E))	(G) ADDITIONAL INCENTIVE (\$/ton)	(H) BASE INCENTIVE (\$/ton)	(I) INCENTIVE RATE (\$/ton) (G + H)	REQUESTED INCENTIVE* (A x I)
<i>Example (air cooled)</i>	95.000	1.160	1.120	0.880	0.840	0.080	\$10	\$8	\$18	\$1,710

**D ENERGY RECOVERY VENTILATOR (ERV) – INCENTIVE CODE: H2314, H5082 PAGE 28**

EQUIP #	HOURS OF OPERATION (hrs/wk)	SUPPLY AIRFLOW (AHRI listed CFM)	AHRI NET TOTAL WINTER EFFECTIVENESS %	AHRI NET TOTAL 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

**E ECONOMIZERS – INCENTIVE CODE: H3066 PAGE 29**

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

**F ADVANCED ROOFTOP UNIT CONTROLLERS - INCENTIVE CODE: H3964 PAGE 30**

EQUIP #	NOMINAL COOLING CAPACITY (tons)	HEATER TYPE (Natural gas or Electric)	FAN HP	ECONOMIZER OPERATIONAL (Yes/No)?	WEEKDAY OPEN / CLOSE TIMES	SATURDAY OPEN / CLOSE TIMES	SUNDAY OPEN / CLOSE TIMES
<i>Example</i>	15.00	Natural gas	5	Yes	7 AM / 9 PM	8 AM / 10 PM	11 AM / 7 PM
					/	/	/
					/	/	/

**G DEMAND CONTROLLED VENTILATION (DCV) – INCENTIVE CODE: H2853 (DCV FOR AHU); H3266 (SINGLE ZONE RTU) PAGE 31**

EQUIP #	SPACE COOLING TYPE	SPACE HEATING TYPE	AREA SERVED TYPE	AHU COOLING SIZE (tons)	HOURS OF OPERATION/ WEEK	AREA SERVED (sq ft)	EXISTING ECONOMIZER (DB, ENTH)	EXISTING AHU CONTROLS (no setback, EMS/T-stat)	EXISTING MIN OUTSIDE AIR FLOW RATE (CFM)	NEW MIN OUTSIDE AIR FLOW RATE (CFM)	TOTAL SUPPLY AIR FLOW RATE (CFM)
<i>Example</i>	DX	Gas	Office	12.00	60	10,000	DB	T-stat	5,000	3,000	15,000

**H GUEST ROOM ENERGY MANAGEMENT CONTROLS – INCENTIVE CODE: H2374 PAGE 32**

HVAC SYSTEM TYPE	# OF ROOMS	COOLING EFFICIENCY W/ UNITS	COOLING SYSTEM SOURCE	COOLING CAPACITY PER ROOM (tons)	HEATING EFFICIENCY W/ UNITS	HEATING SYSTEM SOURCE	HEATING CAPACITY PER ROOM (MBh)
<i>Fan Coil Unit</i>	10	1.2 kW/ton	<i>Air-Cooled Chiller</i>	0.75	90%	<i>Boiler</i>	10

**I VARIABLE FREQUENCY DRIVES – INCENTIVE CODE: H2640, H2641, H2643, H2644, H2646, H2726 PAGE 34**

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

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**J MODULATING DRYER CONTROLS – INCENTIVE CODE: H4902, H4903, H4904, H4905 PAGE 35**

DRYER MANUFACTURER	DRYER MODEL	# OF DRYERS	BURNER SIZE (Btu/hr)	DRYER CAPACITY (lbs)	AVG LOADS PER DAY (per dryer)	DAYS OF OPERATION (per year)	AVERAGE DRYING TIME (minutes)
<i>ABC Manufacturing</i>	<i>XYZ123</i>	<i>1</i>	<i>60,000</i>	<i>25</i>	<i>5</i>	<i>250</i>	<i>35</i>

**K HIGH-USE COMMERCIAL WATER HEATERS – INCENTIVE CODE: P5083, P3045, P5084, P4942 PAGE 38**

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 38 for units of measure)	NEW SYSTEM EFFICIENCY (% or EF)	STORAGE TANK DIMENSIONS (HT X DIA)	STORAGE TANK R-VALUE
<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>	<i>60" x 24"</i>	<i>14</i>

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