

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 | |

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

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> |
| | | | | | | | | | |
| | | | | | | | | | |

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