

# 2019 PROCESS SYSTEMS INCENTIVE CATALOG SUPPLEMENTAL DATA SHEET

THIS FORM MUST BE ATTACHED TO COMPLETED INCENTIVE APPLICATION AND SUBMITTED TOGETHER FOR PROJECTS INSTALLED BY 12/31/2019. NEED HELP? CALL 800.762.7077.

## HOW TO FILL OUT THIS FORM

Please refer to:

- The **Process Systems 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 COMPRESSED AIR LEAK SURVEY AND REPAIR - INCENTIVE CODE: PS4766, PS4767 PAGE 16

ANNUAL HOURS OF OPERATION	SYSTEM OPERATING PRESSURE	TOTAL CONNECTED HP
<i>(Example) 8400</i>	<i>100</i>	<i>110</i>

### B1 VARIABLE SPEED DRIVE (VSD) AIR COMPRESSOR - INCENTIVE CODE: PS2196 PAGE 17

FIRST SHIFT HRS/WK	FIRST SHIFT SCFM	SECOND SHIFT HRS/WK	SECOND SHIFT SCFM	THIRD SHIFT HRS/WK	THIRD SHIFT SCFM	WEEKEND HRS/SHIFT	WEEKEND SCFM	TOTAL HOURS	AIR COMPRESSOR OPERATING PSIG
<i>(Example) 40</i>	<i>1000</i>	<i>40</i>	<i>800</i>	<i>40</i>	<i>500</i>	<i>16</i>	<i>500</i>	<i>136</i>	<i>100</i>

### B2 VARIABLE SPEED DRIVE (VSD) AIR COMPRESSOR - INCENTIVE CODE: PS2196 PAGE 17

EQUIPMENT	USE BEFORE	USE AFTER	CONTROL TYPE	RATED SCFM	PSIG AT RATED PRESSURE	NOMINAL HP	IF TRIM COMPRESSOR, HRS OF OPERATION PER WEEK
<i>Example</i>	<i>__ Lead __X_ Trim __ Backup __ New Const __ Existing Building w/o Air Compressor</i>	<i>__X_ Removed __ Emergency Back Up</i>	<i>__ Load/no load __X_ Inlet Modulation __ Other</i>	<i>800</i>	<i>100</i>	<i>150</i>	<i>120</i>
<i>Old Compressor 1</i>	<i>__ Lead __ Trim __ Backup __ New Const __ Existing Building w/o Air Compressor</i>	<i>__ Removed __ Emergency Back Up</i>	<i>__ Load/no load __ Inlet Modulation __ Other</i>				
<i>Old Compressor 2</i>	<i>__ Lead __ Trim __ Backup __ New Const __ Existing Building w/o Air Compressor</i>	<i>__ Removed __ Emergency Back Up</i>	<i>__ Load/no load __ Inlet Modulation __ Other: _____</i>				
<i>Old Compressor 3</i>	<i>__ Lead __ Trim __ Backup __ New Const __ Existing Building w/o Air Compressor</i>	<i>__ Removed __ Emergency Back Up</i>	<i>__ Load/no load __ Inlet Modulation __ Other: _____</i>				
<i>New VSD Compressor</i>							

### C DEWPOINT DEMAND CONTROLS FOR DESICCANT DRYERS - INCENTIVE CODE PS4363 PAGE 19

HOURS OF OPERATION	AIR COMPRESSOR TYPE	AIR COMPRESSOR CONTROL TYPE	DESICCANT DRYER TYPE
<i>(Example) 4,200</i>	<i>Single Stage Rotary Screw</i>	<i>Variable Speed Drive</i>	<i>Heated Dryer</i>

### D COMPRESSED AIR LOAD SHIFTING - INCENTIVE CODE PS2848 PAGE 23

HOURS OF OPERATION	EXISTING AIR COMPRESSOR(S)		COMPRESSOR		COMPRESSOR		COMPLETION DATE (EST.)	
	TOTAL HP	AIRFLOW (CFM) @ PRESSURE (PSI)	CONTROL METHOD	SHORT DESCRIPTION	AIRFLOW (CFM)	SHORT DESCRIPTION		
<i>(Example) 4,200</i>	<i>100</i>	<i>450 CFM @ 100 psi</i>	<i>Load/No Load</i>	<i>Blow-off with open tubes</i>	<i>85 CFM</i>	<i>Air knife with blower</i>	<i>2 HP</i>	<i>6/15/2019</i>

**E STEAM TRAP MAINTENANCE AND REPAIR - INCENTIVE CODE: PS4041, PS3999, PS4000, PS4001, PS4002, PS4003 PAGE 26**

NUMBER OF TRAPS SURVEYED	MINIMUM REPAIRED TRAPS (# OF TRAPS SURVEYED /5)	TRAPS REPAIRED	STEAM PRESSURE, PSIG
<i>(Example) 200</i>	<i>40</i>	<i>60</i>	<i>100</i>

**F BOILER COMBUSTION UPGRADES - INCENTIVE CODE: PS4760, PS4761, PS4762 PAGE 27**

PRE-RETROFIT BOILER EFFICIENCY	ANNUAL HOURS OF OPERATION	BOILER LOAD FACTOR
<i>(Example) 81.2%</i>	<i>6000</i>	<i>85%</i>

**G VSD VACUUM PUMP, ≤30 HP, VARIABLE TORQUE - INCENTIVE CODE PS4361 PAGES 18 OR 30**

**VARIABLE TORQUE VARIABLE FREQUENCY DRIVE (VFD) - INCENTIVE CODE: PS2726, PS2640, PS2641, PS2647, PS2648**

VFD#	VFD APPLICATION	CONTROLS BEFORE	EQUIPMENT OPERATING HOURS (2,000 HR/YR MIN)	HP CONTROLLED BY VFD	QTY	SUBTOTAL INCENTIVE (QTY * HP * INCENTIVE)
<i>Example</i>	<i>Process Fan</i>	<i>Inlet Guide Vanes</i>	<i>6000</i>	<i>100</i>	<i>1</i>	<i>\$4,000</i>

**H VSD VACUUM PUMP, ≤30 HP, CONSTANT TORQUE - INCENTIVE CODE PS4362 PAGES 18 OR 31**

**CONSTANT TORQUE VARIABLE FREQUENCY DRIVE (VFD) - INCENTIVE CODE: PS3280**

VFD#	VFD APPLICATION	CONTROLS BEFORE	CONTROLS AFTER	COMPLETE FOR MANUAL CONTROL					EQUIPMENT OPERATING HOURS (2,000 HR/YR MIN)	HP CONTROLLED BY VFD	QTY	SUBTOTAL INCENTIVE (QTY * HP * INCENTIVE)
				ANNUAL HOURS AT 100%	ANNUAL HOURS AT 80%	ANNUAL HOURS AT 60%	ANNUAL HOURS AT 40%	ANNUAL HOURS AT 20%				
<i>Example</i>	<i>Mixer</i>	<i>On/Off</i>	<i>Manual</i>	<i>1000</i>	<i>500</i>	<i>2000</i>	<i>2000</i>	<i>0</i>	<i>5500</i>	<i>25</i>	<i>1</i>	<i>\$750</i>

**I DATA CENTER AND TELECOM AIR SIDE ECONOMIZER - INCENTIVE CODE: PS4776 PAGE 35**

ECONOMIZER SHUTOFF TEMPERATURE (°F)	SUPPLY AIR TEMPERATURE (°F)	COOLING SYSTEM AHRI EFFICIENCY (EER)	CHILLED WATER SUPPLY TEMPERATURE (IF COOLING SYSTEM IS CHILLER) (°F)	CHILLER COMPRESSOR TYPE (IF APPLICABLE)	COOLING TOWER FAN QTY. & HP (IF APPLICABLE)	COOLING TOWER WATER PUMP HP (IF APPLICABLE)
<i>(Example) 65°F</i>	<i>60°F</i>	<i>12 EER</i>	<i>44°F</i>	<i>Scroll</i>	<i>3 @ 20 HP</i>	<i>7°F</i>

**J ENERGY-EFFICIENT DRYCOOLER FOR DATA CENTER AND TELECOM - INCENTIVE CODE: PS2305 PAGE 35**

CRAC UNIT COOLING EFFICIENCY	CRAC UNIT FAN QTY. & HP	DRYCOOLER GLYCOL PUMP QTY. & HP	DRYCOOLER FAN QTY & HP
<i>(Example) 1.25 kW/ton</i>	<i>1 @ 10 HP</i>	<i>1 @ 2 HP</i>	<i>4 @ 1 HP</i>

**K DATA CENTER AND TELECOM EFFICIENT UPS AND RECTIFIER - INCENTIVE CODE: PS4777, PS4778 PAGE 36**

IT EQUIPMENT LOAD (kW)	OLD UPS / RECTIFIER EFFICIENCY (%)	NEW UPS / RECTIFIER EFFICIENCY (%)	TYPE OF COOLING SYSTEM	COOLING EFFICIENCY AND UNITS
<i>(Example) 52 kW</i>	<i>82%</i>	<i>94%</i>	<i>DX CRAC Units</i>	<i>1.1 kW/ton</i>

**L RADIANT HEATER BANDS - INCENTIVE CODE: PS2490 PAGE 40**

ANNUAL HOURS OF OPERATION	VOLTAGE (IF AVAILABLE)	AVERAGE AMPS BEFORE (IF AVAILABLE)	AVERAGE AMPS AFTER (IF AVAILABLE)	INSTALLED KW OF EXISTING HEATER BANDS	INCENTIVE SUBTOTAL
<i>(Example) 4000</i>	<i>460</i>	<i>56.5</i>	<i>48.0</i>	<i>45</i>	<i>\$2,700</i>

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

M RADIANT TUBE INSERTS - INCENTIVE CODE: PS2507					PAGE 41
BURNER HEAT RATE (BTU/HR)	PRE-INSERT BURNER EFF (IF AVAILABLE)	POST-INSERT BURNER EFF (IF AVAILABLE)	NUMBER OF INSERTS	INCENTIVE SUBTOTAL	
(Example) 350000	70%	75%	5	\$400	

N PRESSURE SCREEN ROTOR - INCENTIVE CODE: PS2496					PAGE 42
HOURS OF OPERATION	VOLTAGE (IF AVAILABLE)	AVERAGE AMPS BEFORE (IF AVAILABLE)	AVERAGE AMPS AFTER (IF AVAILABLE)	HP INSTALLED	INCENTIVE SUBTOTAL
(Example) 6000	480	150	100	150	\$8,250

O REPULPER ROTOR AND EXTRACTION PLATE - INCENTIVE CODE: PS2315, PS2538						PAGE 42
MEASURE	HOURS OF OPERATION	VOLTAGE (IF AVAILABLE)	AVERAGE AMPS BEFORE (IF AVAILABLE)	AVERAGE AMPS AFTER (IF AVAILABLE)	HP INSTALLED	INCENTIVE SUBTOTAL
Repulper Rotor	(Example) 8000	2300	110	90	500	\$20,000
Extraction Plate						
Repulper Rotor						
Extraction Plate						

P HIGH EFFICIENCY SIDE ENTRY AGITATOR - INCENTIVE CODE: PS4763					PAGE 43
AGITATOR MOTOR HP	% MOTOR LOAD ON AGITATOR	AVERAGE CONNECTED HP	MOTOR HOURS OF OPERATION	INCENTIVE	
(Example) 100	85%	85	8400	\$3,500	

Q SPLINE ROTOR UPGRADE - INCENTIVE CODE: PS4764					PAGE 42
REFINER HP	% LOAD ON REFINER	AVERAGE CONNECTED REFINER HP	REFINER HOURS OF OPERATION	INCENTIVE	
(Example) 500	85%	425	8400	\$15,000	

R INDUSTRIAL HIGH FREQUENCY BATTERY CHARGERS - INCENTIVE CODE: PS4765					PAGE 44
HOW DRAINED ARE THE BATTERIES WHEN PLUGGED INTO CHARGERS?	NUMBER OF CHARGES PER WEEK PER CHARGER	HOURS PER YEAR EACH CHARGER IS IN MAINTENANCE MODE (WHEN A FULLY CHARGED BATTERY IS CONNECTED)	HOURS PER YEAR EACH CHARGER IS IN NO BATTERY MODE (WHEN NO BATTERY IS CONNECTED)		
(Example) 80%	7	365 hrs/yr	2,920 hrs/yr = 8 hrs/day * 365 days/yr		

S PROCESS EXHAUST FILTRATION - INCENTIVE CODE: PS3244					PAGE 45
ANNUAL HOURS OF OPERATION	DAYS/WEEK OPERATION	HEATING SYSTEM EFFICIENCY	REDUCTION IN MAKE-UP CFM	INCENTIVE SUBTOTAL	
(Example) 6,000	5	95%	30,000	\$16,500	