

COMPRESSED AIR INCENTIVES WORKSHEET

January 1, 2019 through December 31, 2019

Directions: Please save a copy of this form to your computer by selecting “File/Save As” before entering text and numbers. Then fill in your information electronically and select “Save.” Note that this form requires Adobe Reader® version 11.0 to function properly. Download the most recent version of Adobe Acrobat Reader DC® at <http://get.adobe.com/reader>.

A pre-approval application is required; review instructions on the standard and custom incentives pre-approval and final application form. Wait for pre-approval before starting your project.

High Efficiency Air Nozzles

Specifications and Eligible Equipment

1. Incentives are only available for new air nozzles. Replacement or upgrades of existing high-efficiency air nozzles are not eligible for this incentive.
2. High-efficiency nozzles must replace open blow-offs.
3. Manufacturer’s specifications for the high-efficiency air nozzles must accompany the application.
4. High-efficiency nozzles must meet SCFM rating at 80 psig less than or equal to: 1/8” 11 SCFM, 1/4” 29 SCFM, 5/16” 56 SCFM, 1/2” 140 SCFM.
5. Specify the make and model of nozzles being replaced:

6. Indicate size and quantity of nozzles being replaced:

- 1/8 inch 5/16 inch Other
- 1/4 inch 1/2 inch

7. Specify the compressor type together with the control type:

Reciprocating: On/off Load/unload

Screw: Load/unload Inlet modulation Inlet modulation with unloading

Variable displacement Variable frequency drive Other

Customer Name:
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COMPRESSED AIR INCENTIVES WORKSHEET

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High-Efficiency Air Nozzles

\$20 per nozzle

Replacement of standard air nozzles with high-efficiency air nozzles.

MAKE and MODEL	IS A VFD COMPRESSOR INSTALLED IN THE COMPRESSED AIR SYSTEM? (Y/N)	NUMBER OF INSTALLED NOZZLES
INCENTIVE SUBTOTAL:		\$

COMPRESSED AIR INCENTIVES WORKSHEET

January 1, 2019 through December 31, 2019

Low Pressure Drop Filter

\$3.50 per connected HP

Replacement of standard filters with high-performance, low-pressure drop filters.

Specifications and Eligible Equipment

1. Manufacturer's specifications for the low-pressure drop filter must accompany the application. Do not include backup or redundant system horsepower in total compressor horsepower.
2. Low-pressure drop filters must meet the following criteria:
 - In place of standard coalescing filters on 75 to 200 HP compressed air systems
 - Pressure loss at rated flow is ≤ 1 psi when new and ≤ 3 psi at element change
3. Low-pressure drop filters on < 75 HP compressed air systems are not eligible for an incentive.
4. Low-pressure drop filters on > 200 HP compressed air systems may be eligible for a custom incentive.
5. Specify the make and model of filters being replaced:

Make and model:

6. Specify the compressor type together with the control type

Reciprocating: On/off Load/unload

Screw: Load/unload Inlet modulation Inlet modulation with unloading

Variable displacement Variable frequency drive Other

MAKE and MODEL	TOTAL HORSEPOWER (HP) OF COMPRESSORS DISTRIBUTING AIR THROUGH FILTER
INCENTIVE SUBTOTAL:	\$

COMPRESSED AIR INCENTIVES WORKSHEET

January 1, 2019 through December 31, 2019

No-Loss Condensate Drains

\$100 per drain

Replacement of existing standard condensate drains (open valve, timer or both) with no-loss.

Specifications and Eligible Equipment

1. Incentives are only available for new no-loss condensate drains. Replacement or upgrades of existing no-loss condensate drains are not eligible for this incentive.
2. Manufacturer's specifications for the no-loss condensate drain must accompany the application.
3. Specify the drain type being replaced: Timer Open valve
4. Specify the compressor type together with the control type:

Reciprocating: On/off Load/unload

Screw: Load/unload Inlet modulation Inlet modulation with unloading

Variable displacement Variable frequency drive Other

MAKE and MODEL	IS A VFD COMPRESSOR INSTALLED IN THE COMPRESSED AIR SYSTEM? (Y/N)	NUMBER OF INSTALLED DRAINS
INCENTIVE SUBTOTAL:		\$

COMPRESSED AIR INCENTIVES WORKSHEET

January 1, 2019 through December 31, 2019

Compressed Air Dryers

Specifications and Eligible Equipment

1. This measure is for the replacement of an existing non-cycling refrigerated compressed air dryer with a higher efficiency refrigerated dryer.
2. Heat of compression desiccant compressed air dryer must replace a non-heated desiccant dryer and a heated/blower purge desiccant compressor air dryer must replace an existing membrane type dryer.
3. The replacement of an existing refrigerated cycling dryer is not eligible for an incentive.
4. Dryer specification sheet and/or CAGI datasheet must be submitted with the incentive application.

Refrigerated Thermal Mass Dryer

\$1 per rated CFM

MAKE and MODEL	IS A VFD COMPRESSOR INSTALLED IN THE COMPRESSED AIR SYSTEM? (Y/N)	RATED CFM OF DRYER	INCENTIVE SUBTOTAL

Refrigerated Variable Speed Dryer

\$3 per rated CFM

MAKE and MODEL	IS A VFD COMPRESSOR INSTALLED IN THE COMPRESSED AIR SYSTEM? (Y/N)	RATED CFM OF DRYER	INCENTIVE SUBTOTAL

Refrigerated Digital Scroll Dryer

\$2 per rated CFM

MAKE and MODEL	IS A VFD COMPRESSOR INSTALLED IN THE COMPRESSED AIR SYSTEM? (Y/N)	RATED CFM OF DRYER	INCENTIVE SUBTOTAL

Heat of Compression Desiccant Compressed Air Dryer

\$4 per CFM

MAKE and MODEL	IS A VFD COMPRESSOR INSTALLED IN THE COMPRESSED AIR SYSTEM? (Y/N)	RATED CFM OF DRYER	INCENTIVE SUBTOTAL

Heated/Blower Purge Desiccant Compressed Air Dryer

\$4 per CFM

MAKE and MODEL	IS A VFD COMPRESSOR INSTALLED IN THE COMPRESSED AIR SYSTEM? (Y/N)	RATED CFM OF DRYER	INCENTIVE SUBTOTAL

COMPRESSED AIR INCENTIVES WORKSHEET

January 1, 2019 through December 31, 2019

Variable Displacement Screw Air Compressor

\$30 per HP

Replacement of a screw modulating or load/unload compressor with a variable displacement screw compressor.

Number of units:

Specifications and Eligible Equipment

1. This is for new displacement compressors only.
2. The rated horsepower of the compressor must be ≥ 50 HP.

Compressed Air Pressure Flow Controller

\$10 per HP

Installation of a compressed air pressure flow controller to increase the control of an air storage strategy.

Number of units:

Specifications and Eligible Equipment

1. Pressure flow controller must be installed downstream of the primary air storage receiver tank before the process loop.
2. Pressure flow controller must be installed on the main pressure header, not to replace drop line regulators or filter regulator lubricators.
3. The compressor must be ≥ 50 HP.
4. The actual discharge pressure must be reduced by ≥ 5 psig.

Added compressor storage on load/no load systems

\$1.50 per gallon

Specifications and Eligible Equipment

1. New and retrofit receivers are eligible for incentives.
2. Available for load/unload compressed air systems only.
3. Only eligible to apply for compressed air receivers that increase system storage over 2 gallons / system CFM up to 5 gallons / system CFM.

Number of units:

INCENTIVE SUBTOTAL:

COMPRESSED AIR INCENTIVES WORKSHEET

January 1, 2019 through December 31, 2019

VSD on Air Compressor \leq 150 HP

\$60 per HP

Installation of a VSD on an air compressor 150 HP or less.

Specifications and Eligible Equipment

1. Installation of the VSD must accompany the permanent removal or disabling of existing flow control devices.
 2. The VSD must be installed with automatic control technology.
 3. The following VSD applications are not eligible:
 - Replacement of existing VSD
 - VSD installed on equipment which operates less than 1,200 hours per year
 - VSD installed on redundant/backup motors/compressors
 - VSD installed in place of multi-speed flow control equipment
 - VSD installed for the purpose of “soft-starting” motors
 4. The following VSD applications are not eligible for this incentive but may be eligible for a custom incentive:
 - VSD installed where inlet guide vanes are already present
 - VSD installed on a motor larger than 150 HP
 - Oil-free air compressors
 5. VSD installation in a data center is not eligible for this incentive but may be eligible for a data center incentive.
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Air Compressor(s) with Integrated VSD \leq 150 HP

\$85 per HP

New or replacement of an air compressor without an integrated VSD with a VSD-integrated air compressor.

Specifications and Eligible Equipment

1. Compressors must run a minimum of 1,200 hours per year.
2. Air compressors purchased or installed for backup or redundant systems do not qualify.
3. Replacing existing air compressor with integrated VSD with a new VSD-integrated air compressor does not qualify.
4. Air compressors larger than 150 HP may be eligible for custom incentives.

COMPRESSED AIR INCENTIVES WORKSHEET

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COMPRESSOR ID TAG	CONTROLS BEFORE VSD FROM TABLE I	ESTIMATED ANNUAL OPERATING HOURS	MOTOR NOMINAL HORSEPOWER (MUST BE ≤ 150)	MOTOR QUANTITY	INCENTIVE
INCENTIVE SUBTOTAL				\$	

Table I: Control Before VSD

Code	Description
DD	Discharge Damper
IGV	Inlet Guide Vanes
OCV	Outlet Control / Throttle Valve
BV	Bypass
ONF	On/Off
MISC	Other (specify) _____

GRAND TOTAL INCENTIVE REQUESTED
\$

Incentive cannot exceed 100 percent of the incremental measure cost and 75 percent of the total project cost and must meet all program terms and conditions.