

VARIABLE SPEED DRIVES 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>.

General Specifications

1. **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.**
2. Installation of the VSD must accompany the permanent removal or disabling of existing flow control devices.
3. VSD must be installed on a piece of equipment with varying load.

VSD on Fan or Pump

Specifications and Eligible Equipment

1. The VSD must be installed with automatic control technology.
2. The following VSD applications are not eligible:
 - Replacement of existing VSD
 - VSD installed on equipment which operates less than 1200 hours per year
 - VSD installed on redundant/backup motors
 - VSD installed in place of multi-speed flow control equipment (e.g., two-speed cooling tower fans)
 - VSD installed for the purpose of “soft-starting” motors
 - VSD installed on pumps where affinity laws are not in effect, such as sump pumps
3. The following VSD applications are not eligible for this incentive but may be eligible for custom incentive:
 - VSD installed in place of variable pitch blade flow control equipment
 - VSD installed on a motor larger than 200 HP
4. VSD installation in a data center is not eligible for this incentive but may be eligible for a custom incentive.
5. If new construction, VSDs required by code are not eligible.

VSD on HVAC Fan or Pump ≤ 200 HP

\$80 per HP

Installation of a VSD on an HVAC fan or pump 200 HP or less.

VSD on Pool Pump

\$100 per HP

Installation of a VSD on a pool pump 200 HP or less.

Customer Name:

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FAN OR PUMP ID TAG	INSTALLATION TYPE CODE FROM TABLE 1	CONTROLS BEFORE VSD FROM TABLE 2	FAN TYPE FROM TABLE 3	ESTIMATED ANNUAL OPERATING HOURS	(A) MOTOR NOMINAL HORSEPOWER (MUST BE ≤ 200)	(B) MOTOR QUANTITY	(C) INCENTIVE PER HP	A x B x C INCENTIVE
e.g. supply fan #1	SFA	DD	BI	3,432	50.00	1	\$80	\$4,000.00
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.

PLEASE DESCRIBE HOW THE VSD IS BEING MODULATED:

Table 1: VSD Installation Type

- SFA** - HVAC supply air fan
- RFA** - HVAC return air fan
- BEF** - Building exhaust fan
- MAF** - Make-up air fan
- CTF** - Cooling tower fan
- BDF** - HVAC boiler draft fan
- CDWP** - Condenser water pump
- CHWP** - Chilled water pump
- FWP** - Boiler feed water pump
- HWP** - Hot water circulation pump
- PP** - Pool pump
- FM** - Other HVAC fan (specify):
- PM** - Other HVAC pump (specify):

Table 2: Control Before VSD

- DD** - Discharge damper
- IGV** - Inlet guide vanes
- OCV** - Outlet control/throttle valve
- BV** - Bypass
- ONF** - On/off
- MISC** - Other (specify):

Table 3: Fan Type

- BI** - Backward inclined fan
- FC** - Forward curve fan
- MISC** - Other (specify):