Pre-Qualified Variable Frequency Drives

NYSERDA
New York State Energy Research and Development Authority

Applicant _____ **Facility** _____

Completing the VFD Measure Application

- Fill in the appropriate fields for individual VFD measures on the VFD Incentive Calculation table on page 2
- To calculate the **Total Incentive** for each measure, multiply the **Count** (quantity of installed equipment)(A) by the **Incentive** (B) and enter this amount in the **Total Incentive** column
- Add these **Total Incentive** amounts together for the **Total Incentive Requested** amount on the last line
- Enter the **Total Incentive Requested** amount below

General Eligibility Requirements for Variable Frequency Drives

- Pre-Qualified projects must submit an application for incentives within 90 days of invoice for the purchase and installation of Pre-Qualified measures
- Used or rebuilt equipment is not eligible
- VFD installations on centrifugal fans and pumps are eligible for incentives using this application. For all other VFD applications please contact NYSERDA for Performance Based incentive programs.
- VFDs may not be cost effective if the fans or pumps controlled do not operate a minimum of 2,000 hours per year
- VFD speed must be automatically controlled by differential pressure, flow or temperature. Fan and pump operations that would otherwise be regulated by on/off cycling are not eligible for VFD incentives. Systems with constant speed and variable load operations (such as conveyors) are not eligible for VFD incentives.
- VFDs must be equipped with a minimum of 3% impedance series reactor in its AC power input connection
- If the controlled HP falls in between the HP listed on the VFD Incentive Amounts table on page 2, the incentive is based on the lower controlled HP
- Please attach:
  1) Main program application
     http://www.nyserda.org/programs/Existing_Facilities/pdfs/Existing%20Facilities%20application.pdf
  2) Recent utility bills, with SBC notation
  3) Invoices, including purchase and installation price, and
  4) Equipment specification sheets, including product manufacturer and model number

Total VFD Incentive Requested *(from page 2)*. . . . . $ _____

Project Cost Information (Required)

Total cost of materials and labor for installed VFD equipment . . . . . Total $ _____

Project Type *(Please check one)*

☐ New Construction or Major Renovation

☐ Replacement or Retrofit (Existing Facilities)

Revised May 5, 2009

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VFD Incentive Amounts

Cumulative Motor HP Controlled by Each VFD	Incentive ($)
5.0 hp	$900
7.5 hp	$1,200
10.0 hp	$1,250
15.0 hp	$1,500
20.0 hp	$1,750
25.0 hp	$2,000
30.0 hp	$2,250
40.0 hp	$2,500
50.0 hp	$3,000
60.0 hp	$3,500
75.0 hp	$4,000
100.0 hp	$5,000
200.0 hp	$6,000

VFD Incentive Calculation

VFD Measure **HVAC Pump** *(chilled water, hot water, etc.)* **HVAC Fan** *(supply, return, exhaust, boiler draft, etc.)* **Other** *(please explain)*	**Location** (Facility/Room)	**Manufacturer Model and Number**	**Cumulative Motor HP Controlled by Each VFD**	**Annual Run Hours**	**A Count**	**B Incentive $** (Table)	**Total Incentive $** (A x B)
Example: *HVAC Pump - CHWP*	*Bldg 1/ Mechanical Room*	*ABC123*	*20*	*3,500*	*2*	*$1,750*	*$3,500*
			(enter on page 1)		**Total VFD Incentive Requested**		**$**

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Revised May 5, 2009