

# Existing Facilities Program Pre-Qualified Variable Frequency Drives



CFA # \_\_\_\_\_

Applicant \_\_\_\_\_

Facility \_\_\_\_\_

## Completing and Submitting the VFD Measure Worksheets

- 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 and also enter the **Total Incentive Requested** amount below.
- Complete a Consolidated Funding Application: [www.nyserda.ny.gov/Funding-Opportunities/Consolidated-Funding-Application](http://www.nyserda.ny.gov/Funding-Opportunities/Consolidated-Funding-Application).
- Submit your CFA online along with copies of the following. Be sure to reference your CFA number on all submitted materials:
  - 1) This completed worksheet and any other measure worksheets associated with your project.
  - 2) Electric utility bill from the last 90 days, with SBC notation.
  - 3) Invoices, including purchase and installation price.
  - 4) Equipment specification sheets showing impedance levels and manufacturer(s) and model number(s).

## 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 replacements are not eligible.
- If other requirements are met, VFD installations on centrifugal fans, pumps, and air compressors are eligible. For other applications, please contact NYSERDA.
- VFD installations on applications larger than 200 HP may be eligible for a greater incentive under the Performance Based incentives programs. Please contact NYSERDA for details.
- VFDs must be equipped with a minimum of 3% impedance series reactor in its AC power input connection. Exceptions to this requirement are made on a case-by-case basis
- VFD speed must be automatically controlled by differential pressure, flow, or temperature.
- 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.
- 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.
- Questions regarding the process, incentives, or requirements? Contact a NYSERDA representative at: 1-866-NYSERDA x3480 or [EFPPQADMIN@NYSERDA.ny.gov](mailto:EFPPQADMIN@NYSERDA.ny.gov)

## Project Cost Information (Required)

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

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

## Project Type (Please check one)

- New Construction or Major Renovation
- Replacement or Retrofit (Existing Facilities)

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VFD Measures	
Please identify one of the following VFD measures that best fits your application and enter the appropriate abbreviation in the VFD Calculation worksheet below. If your measure doesn't fit any of these types, briefly describe the measure in the worksheet below.	
Measure Type	Abbreviation
Exhaust Fan	EF
Cooling Tower Fan	CTF
Condenser Water Pump	CWP
Chilled Water Pump	CHWP
Boiler Feed Water Pump	BFWP
Heating Hot Water Pump	HHWP
Makeup Air Fan	MAF
Return Fan	RF
Supply Fan	SF
Water-Source Heat Pump Circulation Pump	WSHP CP
Water Supply Pump	WSP
Air Compressor	ACP

Cumulative Motor HP Controlled by Each VFD	Incentive (\$)
0.5 hp	\$300
1.0 hp	\$450
2.0 hp	\$600
3.0 hp	\$700
4.0 hp	\$800
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 <small>Choose appropriate measure from table above, or briefly explain</small>	Location <small>(Facility/Room)</small>	Manufacturer Model and Number	Cumulative Motor HP Controlled by Each VFD	A Count	B Incentive \$ <small>(Table)</small>	Total Incentive \$ <small>(A x B)</small>
<i>Example:</i> CHWP	<i>Bldg 1/ Mechanical Room</i>	<i>ABC123</i>	<i>20</i>	<i>2</i>	<i>\$1,750</i>	<i>\$3,500</i>
<small>(enter on page 1)</small>					<b>Total VFD Incentive Requested</b>	<b>\$</b>