# Motor & Variable Speed Drives Application 2016 Retrofit Program



The Retrofit Program is designed for commercial and industrial customers to help replace aging, inefficient equipment and systems with energy efficient technologies. The Retrofit Program provides a customer with incentives and technical services that will facilitate the installation of premium efficient equipment. Call National Grid to arrange a convenient time to perform an inspection of the existing equipment or systems.

#### **Prescriptive Retrofit Application & Instructions**

For Replacement of Operating Equipment

#### 1. Is your project eligible?

■ Equipment shall be new and shall be installed in a commercial, industrial, institutional, educational, or municipal building within National Grid's electric service territory

#### 2. Is the equipment you intend to buy eligible?

 Product types listed in this form are eligible for prescriptive incentives. However, other measures not listed here may be eligible for custom incentives using the Custom Retrofit Application

#### 3. Pre-Approval requirements:

- Contact your National Grid representative before purchasing and installing the equipment
- To see if the energy efficient measure (EEM) qualifies for an incentive:
  - i. Review the Terms and Conditions governing the program, then submit a completed application form with an authorized signature
  - ii. Submit a copy of the Manufacturer's technical specification sheets ("cut sheets") for each type of eligible equipment to be purchased
  - iii. Once pre-approved, a "pre-approved incentive letter" will be issued

#### 4. Installation and incentive requirements:

- Once pre-approved, purchase and install the qualifying equipment within twelve (12) months of National Grid's pre-approval
- Return the required information to your National Grid representative within 30 days of the installation:
  - i. A copy of the completed and signed pre-approval application
  - ii. If there is a change in equipment, please submit a new manufacturer's technical specification sheet ("cut sheet") for each type of eligible equipment purchased
  - iii. A copy of your invoice indicating Proof of Purchase must indicate type, size, make, and model number of the equipment and date of purchase and installation
  - iv. At the post-installation verification, the customer is required to sign the post-installation customer acknowledgement section of the original application

#### **Program details:**

This incentive program covers applications created on or after January 1, 2016. Details of this Program, including incentive levels, are subject to change without prior notice. Contact National Grid for the latest program details.

# **Motor & Variable Speed Drives Application** 2016 Retrofit



		_							
<b>ALL FIELDS ON THI</b>	IS PAGE ARE REQUIRED TO CO	MPL	ETE YOUR APPLICATION	1.					
CUSTOMER/	ACCOUNT HOLDER INF	OR	MATION						
COMPANY NAME			CONTACT PERSON			APPLICATION DATE			
INSTALL SITE			PHONE		FAX NUMBER				
EMAIL ADDRESS					SQUARE FEET (COVERED BY THIS APPLICATION)				
STREET ADDRESS			CITY		STATE	,ZIP			
MAILING ADDRESS (IF D	IFFERENT)		CITY		STATE	ZIP			
ELECTRIC COMPANY NA	AME				ELECTRIC ACCOUNT	NUMBER (OR COPY OF ELECTRIC BILL)			
GAS COMPANY NAME					CAS ACCOUNT NUM	RED (OR CORY OF CAS BULL)			
GAS COMPANY NAME					GAS ACCOUNT NUMI	BER (OR COPY OF GAS BILL)			
BUILDING TYPE (PLEASI	E PLACE "X" IN APPROPRIATE BALLOT BO	OX)							
☐ ASSEMBLY	☐ FAST FOOD		IOTEL	☐ MULTI STOF	RY RETAIL	RELIGIOUS SMALL RETAIL			
AUTOMOTIVE	☐ FULL SERVICE RESTAURANT		ARGE REFRIGERATED SPACE	☐ MULTIFAMIL	Y HIGH-RISE	K-12 SCHOOL UNIVERSITY			
☐ BIG BOX	GROCERY		ARGE OFFICE	☐ MULTIFAMIL	Y LOW-RISE	SMALL OFFICE WAREHOUSE			
COMMUNITY COLLE	GE HEAVY INDUSTRIAL		IGHT INDUSTRIAL	OTHER:					
DORMITORY	HOSPITAL		MOTEL						
<b>PAYMENT ME</b>	THOD (PAYEE MUST S	SUB	MIT A W-9 FORM)						
DAYMENT TO	JSTOMER		CUSTOMER - TAX ID# (REQU		VENDOR/INSTALLER	- TAX ID# (REQUIRED IF RECEIVING INCENTIVE)			
VE	NDOR/INSTALLER								
CHECK PAYABLE TO:			CUSTOMER COMPANY TYPE:  INC. NOT INCORP.	□ EYEMPT	VENDOR COMPANY TYPE:  INC. NOT INCORP. EXEMPT				
			INC. INCINCON.			SONE EXEMPT			
<b>VENDOR INFO</b>	DRMATION								
AUTHORIZED VENDOR/I	NSTALLER		CONTACT NAME						
OTDEET 4 D D D D D D			OUTD/		07477				
STREET ADDRESS			CITY		STATE	ZIP			
PHONE			EMAIL ADDRESS						
DATE			AUTHO	ORIZED VENDOR/I	INSTALLER SIGNATURI	E (NOT APPLICABLE IF CUSTOMER IS PAYEE.)			
			X						
CUCTOMED	ACCEPTANCE OF TERM	40							
PRE-INSTALLATION	ACCEPTANCE OF TERM	15				ANTICIPATED COMPLETION DATE			
_	STATEMENTS MADE IN THIS APPLICATIO	N ARE	CORRECT TO THE BEST OF MY	KNOWLEDGE AN	ID THAT I HAVE READ	ANTICIPATED COMPLETION DATE			
	TERMS AND CONDITIONS ON THE BACK								
DATE	PRINT NAME		AUTHO	ORIZED SIGNATUR	RE				
			X						
POST-INSTALLATION									
☐ I CERTIFY THAT I HAY	VE SEEN THE ENERGY EFFICIENCY MEAS	SURES	THAT HAVE BEEN INSTALLED A	ND I AM SATISFIEI	D WITH THEIR INSTALL	.ATION.			
DATE	PRINT NAME		AUTHO	ORIZED SIGNATUR	RE				
			V						

Efficiency@nationalgrid.com

www.ngrid.com/ribus-ee

#### **ELIGIBILITY REQUIREMENTS**

Prescriptive Incentives will be provided for the installation of Variable Speed Drives (VSD) from 1-150hp for ONLY the installation types outlined in Table 1:

- Supply Fan on constant volume supply air handler and VAV packaged HVAC unit [SFA]
- Return Fan on constant volume return air handler and VAV packaged HVAC unit [RFA]
- c. Boiler Draft Fan [BDF]
- d. Cooling Tower Fan [CTF]
- e. Chilled and Condenser Water Distribution Pump [CWP]

All other VSD applications MUST file a Custom Application

- f. Boiler Feed Water Pump [FWP]
- g. Water Source Heat Pump Circulation Pump [WHP]
- h. Heating Hot Water Pump [HWP]
- i. Process Cooling Pump [PCP]
- j. Process Exhaust and Make-up Fan [PE] (non VAV system)
- k. Water Supply or Waste Water Pump [WSP]

VSDs must be controlled by an automatic signal in response to modulating air/water flows. The VSD speed must be automatically controlled by differential pressure, flow or temperature. Applicants must demonstrate significant load diversity that will result in savings through motor speed variation.

NOTE: The following VSD applications are NOT eligible for prescriptive incentives under this application:

- 1. Forward curve fans with inlet guide vanes,
- 2. Variable pitch vane-axial fans,
- 3. Replacement of previously failed VSD,
- 4. VSD used for balancing,

- 5. Two-speed cooling tower fans,
  - 6. VSD used as two-speed control of fan or pump,
  - 7. VSD used to mitigate over-sized motor installation.

Motors must be new NEMA-Premium, inverter-duty rated, 3 phase, 1-150 hp, open drip proof (ODP) or totally enclosed fan cooled (TEFC), 1200, 1800, or 3600 RPM motors. Motors must operate a minimum of 2,000 hours annually and meet/exceed the minimum efficiency levels listed in the tables below.

					Minim	um Effic	ciency L	_evels -	- Open	Drip-Pr	oof (OE	P) Mot	ors					
							NE	MA Nor	ninal Eff	iciency								
Size (HP)	1	1.5	2	3	5	7.5	10	15	20	25	30	40	50	60	75	100	125	150
1200 RPM	82.5%	86.5%	87.5%	88.5%	89.5%	90.2%	91.7%	91.7%	92.4%	93.0%	93.6%	94.1%	94.1%	94.5%	94.5%	95.0%	95.0%	95.4%
1800 RPM	85.5%	86.5%	86.5%	86.5%	89.5%	91.0%	91.7%	93.0%	93.0%	93.6%	94.1%	94.1%	94.5%	95.0%	95.0%	95.4%	95.4%	95.8%
3600 RPM	77.0%	84.0%	85.5%	85.5%	86.5%	88.5%	89.5%	90.2%	91.0%	91.7%	91.7%	92.4%	93.0%	93.6%	93.6%	93.6%	94.1%	94.1%
				Minim	um Effi	ciency	Levels	<ul><li>Total</li></ul>	ly Enclo	sed Fa	n-Coole	ed (TEF	C) Moto	ors				
							NE	MA Nor	ninal Eff	iciency								
Size (HP)	1	1.5	2	3	5	7.5	10	15	20	25	30	40	50	60	75	100	125	150
1200 RPM	82.5%	87.5%	88.5%	89.5%	89.5%	91.0%	91.0%	91.7%	91.7%	93.0%	93.0%	94.1%	94.1%	94.5%	94.5%	95.0%	95.0%	95.8%
1800 RPM	85.5%	86.5%	86.5%	89.5%	89.5%	91.7%	91.7%	92.4%	93.0%	93.6%	93.6%	94.1%	94.5%	95.0%	95.4%	95.4%	95.4%	95.8%
3600 RPM	77.0%	84.0%	85.5%	86.5%	88.5%	89.5%	90.2%	91.0%	91.0%	91.7%	91.7%	92.4%	93.0%	93.6%	93.6%	94.1%	95.0%	95%

#### MEASURE INFORMATION

VSD installation information form is required for all BDF, PCP, PE & WSP installations. Attach invoices, product specification sheets and other relevant documentation to this application. Variable Speed Drives (VSDs) installed in process applications, waste water or municipal water supply applications may use the Custom Application process, which requires detailed energy savings calculations.

#### **Table 1: Select VSD Installation Type**

BDF	Boiler Draft Fan	HWP	Hot Water Circ Pump	RFA	HVAC Return Air Fan
BEF	Building Exhaust Fan	MAF	Make-up Air Fan	SFA	HVAC Supply Air Fan
CTF	Cooling Tower Fan (Single Speed only)	PCP	Process Cooling Pump	WHP	WS Heat Pump Circ Loop
CWP	Chilled / Cond Water Pump	PE	Process Exhaust and Make-up Fan	WSP	Water Supply or Waste Water Pump
FWP	Boiler Feed Water Pump				

#### Table 2: Select VSD Size

Horsepower	Incentive	Horsepower	Incentive	Horsepower	Incentive	Horsepower	Incentive
1	\$1,200	7.5	\$3,450	30	\$7,650	100	\$16,500
1.5	\$1,200	10	\$3,600	40	\$8,400	125	\$16,500
2	\$1,200	15	\$4,350	50	\$8,850	150	\$16,500
3	\$1,200	20	\$5,400	60	\$12,900		
5	\$3,450	25	\$6,150	75	\$14,400		

#### **Table 3: Controlling Parameters**

DP	Pressure Differential	DT	Temperature Differential	отн	Other Specify
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# Table 4: From Tables 1, 2 & 3 above, fill in using one line for each VSD & Motor. Attach specification sheets and invoice copies to this application

Installation Type (Table 1)	VSD & Motor Horsepower (Table 2)	Controlling Parameter (Table 3)	Motor Type (ODP or TEFC)	Motor Speed	NEMA Nominal Efficiency	Annual Hours of Operation	Alternate or Back up?	Location/Designation	Requested Incentive per VSD (Table 2)
							Alt.		
							Alt.		
							Alt.		
							Alt.		
							Alt.		
							Alt.		
							Alt.		
							Alt.		
							Alt.		
							Alt.		
							Alt.		
							Alt.		
Attach a s	eparate list f	for additiona	al unit(s)			Total Re	questec	d Incentive (this page) \$	

#### IMPORTANT VSD INFORMATION

VSDs can be sensitive to over-voltages that occur when power factor correcting capacitor banks on the utility power system are switched on. A minimum 3% series reactor (inductor, choke) is strongly recommended on the drive AC input connections based on the horsepower of the VSD to be installed. In some instances your supplier may find it necessary to install 5% reactors and, rarely, additional filtering devices to meet acceptable current and voltage harmonic distortion requirements.

If your power factor is less than 0.8 (80%), we recommend that you consider power factor correction concurrent with the installation of drives.

The use of VSDs which incorporate pulse width modulation (PWM) may produce over-voltages which may cause premature failure of AC induction motors not rated for use with an inverter. We recommend that when installing PWM drives, you consider utilizing inverter rated motors.

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## VSD INSTALLATION INFORMATION FORM (REQUIRED FOR ALL BDF, PCP, PE, & WSP INSTALLATIONS)

<b>Equipment Inform</b>	ation					
Fan or Pump ID(s) _			(E	xample: Feedwater P	ump #1; Cond	enser Water Pump #1
Device Code:	page four, Tabl	le 1, or describe other				
Type of area(s) served	d by fan(s) or pump(s	s):				
Equipment served by	the fan(s) or pump(s	s):				
If fan, note type:		(centrifugal, forwa	ard curve, ba	ackward curve, axial, e	etc)	
Fan or Pump Nomina	I HP	(if multiple motors	s, list individ	ual HP's)		
			Namepla	ate motor efficiency		
Fan or Pump Manufa	cturer:	Model:				
Full Load Design Cor	nditions: Flow	(CFM, GPM) Pres	sure	(inches	static, feet of v	vater, PSI, other?)
•		(discharge dampe		•		,
Existing Set Point: _		(inches static, feet	t of water, P	SI, other?)		
Operating Hours						
	rates the following h	ours: (Example: 0600 to	1800)			
Summer	J	Winter	,			
Weekdays	to	Weekdays		to		
		Saturdays				
Sundays	to	Sundays		to		
Number of shifts per	weekday:					
Number of shifts per	weekend day:					
Motor Load						
Option 1: (retrofit): M	leasured input powe	r under full load:		kW, (true RMS pow	er)	Power Factor
Option 2: (retrofit): M	leasured current and	d voltage under full load	l:	Amps	Volts	
Load calculation = _	Volts X	Amps X		PF =	_ kW	
Option 3: (retrofit or	new): Estimated Fa	n or Pump Load:		%, Estimated Powe	er	kW
If estimating load, pro	ovide description, as	sumptions and formula	used to cald	culate power:		
Proposed Operati	ons					
The proposed VSD w	rill be automatically o	controlled to maintain th	ne following :	set points:		
Flow	(CFM, GPM,	other?) Pressure		(inches static, feet of	of water, PSI, o	ther?)
Other? (describe):						

#### **Table 5: Estimated VSD speed in future operations**

	Sum	nmer	Winter		
Percent Load	Weekday	Weekend	Weekday	Weekend	
90% to 100%					
80% to 90%					
60% to 80%					
20% to 60%					
Totals (100%)					

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## VSD INSTALLATION INFORMATION FORM (REQUIRED FOR ALL BDF, PCP, PE, & WSP INSTALLATIONS)

#### **Table 6: ECM Motor Table**

	ECM Motors					
	Quantity	CFM Rating	Location	Dollars	Requested Incentive Dollars	
Electronically Commutated Motors (ECM) For Fan Powered Boxes & Fan Coils or						
HVAC Supply Fans only						
				Total		

**NOTE:** The PA's reserve the right to disqualify entries that are incorrect.

### VSD INSTALLATION INFORMATION FORM (REQUIRED FOR ALL BDF, PCP, PE, & WSP INSTALLATIONS)

#### **Table 8: ECM Motor Inventory**

NOTE: Calculate	ed incentive amount is centives will be commi	unicated by the	Total Quantity:
respectiv a pre-app	e Program Administrat oroval letter.	or in the form of	Total \$ Requested:
#	Quantiy	CFM Rating	Location / Designation
Example	2	300	Office 201 and Office 202
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

NOTE: For ECM Motors on Fan Powered Boxes & Fan Coils ONLY, provide a list detailing the associated HVAC

These programs are funded by the energy efficiency charge on all customers' utility bills, in accordance with Rhode Island law.

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#### TERMS AND CONDITIONS

Subject to these Terms & Conditions, the Program Administrator will pay Incentives to Customer for the installation of EEMs.

- "Customer" means the customer maintaining an account for service with the Program Administrator, and who satisfies the Program eligibility requirements established by the Program Administrator.
- "EEMs" are those energy efficiency measures described in the Program Materials or other Custom Measures that may be approved by the Program Administrator.
- "Facility" means the Customer location served by the Program Administrator where EEMs are to be installed.
- "Incentives" means those payments made by the Program Administrator to Customers pursuant to the Program and these Terms and Conditions.
- "National Grid" means [Massachusetts Electric Company d/b/a National Grid, Nantucket Electric Company d/b/a National Grid or The Narragansett Electric Company d/b/a National Grid, as applicable].
- "Program" means the energy efficiency program offered by the Program Administrator to Customers.
- "Program Administrator" means National Grid.
- "Program Materials" means the documents and information provided by the Program Administrator specifying the qualifying EEMs, technology requirements, costs and other Program requirements, which include, without limitation, program guidelines and requirements, application forms and approval letters.

#### Application Process and Requirement For Program Administrator Approval

- The Customer shall submit a completed application in the form specified by the Program Administrator. Submission of a completed application does not alone entitle Customer to participation in the Program. Program Administrator reserves the right to reject any application, prior to pre-approval, for any reason whatsoever. In addition, at the Program Administrator's discretion, the Customer may be required to provide the Program Administrator with a copy of the detailed specifications and scope of work, as well as an analysis of the savings and/or demand reduction, for the EEMs proposed for approval. Customer will upon request by the Program Administrator provide a copy of the as-built drawings and equipment submittals for the Facility after EEMs are installed. This analysis shall be prepared by a Professional Engineer licensed in the state where the Facility is located to the extent required by the Program Administrator or by applicable law, regulation or code.
- The Program Administrator will review the Customer's application and supporting documentation to determine the energy savings and demand reduction potential. The Program Administrator reserves the right to reject or modify any calculations, based on the Program Administrator's own analysis.
- The Program Administrator is not obligated to pay any Incentives unless the authorized representative of the Program Administrator issues an approval letter regarding the EEMs proposed by the Customer, and any necessary pre- and post- installation verification activity is successfully completed by the Program Administrator. The Program Administrator's approval letter shall state the maximum approved Incentive amount and the date by which the EEMs must be fully installed and operational to qualify for Incentive payments. The Program Administrator may also require the Customer to execute additional agreements, or provide other documentation regarding the proposed EEM installation and Incentive payment(s).
- The Customer will have no right to receive, and the Program Administrator will have no obligation to pay, Incentives for any EEMs that have not been approved in writing in advance by the Program Administrator, unless the Program Materials state that such prior approval is not required. Further, the Program Administrator is not obligated to pay Incentives for projects which were pre-approved but are determined to not comply with Program requirements after installation is complete.
- The Program Administrator reserves the right to approve or disapprove of any application or proposed EEMs.

  The Program Administrator will only pay incentives for the specific EEMs listed on the front of the application. If the customer has received an Upstream incentive for a measure listed on this form, the customer is not eligible to receive an additional incentive for the same measure.

#### Pre- and Post-Installation Verification and Follow-Up Visits

- The Program Administrator is not obligated to pay any Incentives until the Program Administrator has performed a satisfactory pre-installation inspection (unless the Program Materials state such pre-inspection is not required) and post-installation verification of the installation. If the Program Administrator determines that any EEMs were not installed in accordance with these Terms and Conditions, the Program Materials and the Program Administrator's approval, the Program Administrator shall have the right to require modifications before having the obligation to make any Incentive payments. At its discretion the Program Administrator may also withhold payment of Incentives until it has been verified that the Customer has received, as appropriate, final drawings, operation and maintenance manuals, and operator training, and the Program Administrator has received documentation detailing the installation of the EEMs in accordance with these Terms and Conditions, the Program Materials and the Program Administrator's approval.
- Program Administrator reserves the right to make a reasonable number of follow-up visits to the Facility during the twenty-four months following the actual completion date noted on the customer report. Such visit(s) will occur at times mutually agreed upon by Program Administrator and Customer. The purpose of the follow-up visits is to provide the Program Administrator with an opportunity to review the operation of the EEMs and not to impact on the Incentives paid to the Customer.

#### Monitoring and Inspection

The Program Administrator reserves the right to perform monitoring and inspection of the EEMs for a three year period following completion of the installation in order to determine the actual demand reduction and energy savings. As a condition of receiving an Incentive, the Customer agrees to provide access and information to the Program Administrator and cooperate with the Program Administrator regarding such activity.

#### Site-Specific Custom Measures

The Program Administrator will only approve of those site-specific custom EEMs that the Program Administrator believes have cost-effective energy savings potential. In any case, the Program Administrator reserves the right to approve or disapprove of any such EEMs proposed by Customer.

#### **Incentive Amounts**

- The Program Administrator reserves the right to adjust and/or negotiate the Incentive amount, prior to pre-approval or as set forth in these Terms and Conditions and the Program Materials
- Once an Incentive amount is pre-approved, the Program Administrator will pay no more than the cost to the Customer of purchasing and installing the EEM, or the preapproved Incentive amount, whichever is less.
- The Program Administrator reserves the right to reduce or eliminate the Incentive amount if (1) the quantity and/or qualifying costs of EEMs actually installed differs from the pre-approved amounts, or (2) the EEMs were not installed in accordance with these Terms and Conditions, the Program Materials or the Program Administrator's approval, or which have not been properly maintained, have been altered or disconnected, or in the event of a shutdown or significant reduction of operations at the facility where the EEMs are located. In addition the Customer shall be obligated to refund such Incentive amounts paid by the Program Administrator where the projected energy savings have not been achieved as a result of the foregoing circumstances.

#### **Equipment and Installation**

Customer shall be responsible for ensuring that the EEMs are installed and operated in accordance with applicable laws, regulations and codes and that all applicable permits and inspections are obtained. Customer shall provide the Program Administrator with copies of all invoices and related documents (including all materials, labor, and equipment discounts) relating to the purchase and installation of the EEMs. The itemized invoices shall include detail of all EEMs including the model, quantity and cost for each EEM, and shall identify any applicable discounts or Incentives. The Customer shall provide detail on the installation location of the EEMs in the format specified by the Program Administrator, and such other documentation and information as the Program Administrator may request, including, without limitation, copies of permits and contractor and supplier invoices, orders and records. The Program Administrator reserves the right to determine in its reasonable discretion the appropriate costs of EEMs in order to calculate the Incentive amount. Program Administrator will recognize installation costs only to the extent that such costs are reasonable (as determined by Contractor Administrator) and actually incurred by the Customer.

#### 9. Installation Schedule Requirements

If the Customer does not complete installation of the approved EEMs within the earlier of the completion date specified in the Program Administrator's approval letter or twelve (12) months from the date the Program Administrator issues pre-approval of the EEM project, the Program Administrator may terminate any obligation to make Incentive payments.

#### 10. Incentive Payment Conditions

Provided that the Customer has satisfied its obligations, the Program Administrator shall use commercially reasonable efforts to pay each Incentive amount to the Customer within forty-five (45) days after all of the following conditions are met: (1) Program Administrator's approval of the EEM project has been provided; (2) all applicable permits, licenses and inspections have been obtained by the Customer; (3) installation of the EEMs has been completed in accordance with the requirements hereof; and (4) the Program Administrator has verified all product and installation costs and the satisfactory installation of the EEMs, all in accordance with the terms hereof. Customer shall not assign any of its rights or obligations referenced in these Terms and Conditions or in the Program Materials (including, without limitation, the right to receive Incentive payments) without first obtaining the written consent of the Program Administrator.

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#### TERMS AND CONDITIONS (CONTINUED)

#### 11. Contractor Shared Savings Arrangements

If EEMs are being installed by a contractor under a shared savings arrangement, the Program Administrator reserves the right to determine the cost of purchasing and installing the EEMs

#### 12. Maintenance of EEMs

Customer acknowledges and agrees that Customer shall operate and maintain the EEMs in accordance with the manufacturer's recommendations and the terms hereof, and shall replace consumable parts and other components with comparable or superior efficient products at the Customer's expense. Customers who install energy-efficient lighting EEMs are expected to replace any of the energy-efficient lights that burn out with lights of similar or superior energy savings efficiency at the Customer's expense.

#### 13. Program/Terms and Conditions Changes

Program expenditures, requirements and eligibility, and these Terms & Conditions, may be changed by the Program Administrator at any time without notice. The Program Administrator reserves the right, for any reason, to withhold approval of projects and any EEMs, and to cancel or alter the Program, at any time without notice. Approved applications will be processed under the Terms and Conditions in effect at the time of the pre-approval by the Program Administrator.

#### 14. Customer Information on Participation

The Customer grants to National Grid the right to use and reference the Customer's participation in the Program and the energy savings relating to the Customer's participation in the Program for regulatory purposes. National Grid shall keep Customer's information in strict confidence, shall exercise reasonable care to maintain the confidentiality, and shall not divulge Customer's information to any third party without the prior written consent of the Customer, except to the extent expressly permitted by these Terms and Conditions.

#### 15. Indemnification and Limitation of the Program Administrator's Liability

Customer shall indemnify, defend and hold harmless Program Administrator, its affiliates and their respective contractors, officers, directors, employees, agents, and representatives from and against any and all claims, damages, losses and expenses, including reasonable attorneys' fees and costs incurred to enforce this indemnity, arising out of, resulting from, or related to the Program or the performance of any services or other work in connection with the Program ("Damages"), caused or alleged to be caused in whole or in part by any actual or alleged act or omission of the Customer, any subcontractor, agent, or third party, or anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable.

To the fullest extent allowed by law, the Program Administrator's aggregate liability, regardless of the number of claims, shall be limited to paying approved Incentives in accordance with these Terms and Conditions and the Program Materials, and the Program Administrator and its affiliates and their respective contractors, officers, directors, employees, agents, representatives shall not be liable to the Customer or any other party for any other obligation. To the fullest extent allowed by law and as part of the consideration for participation in the Program, the Customer waives and releases the Program Administrator and its affiliates from all obligations (other than payment of an Incentive), and for any liability or claim associated with the EEMs, the performance of the EEMs, the Program, or these Terms and Conditions.

#### 16. No Warranties or Representations by the Program Administrator

- THE PROGRAM ADMINISTRATOR DOES NOT ENDORSE, GUARANTEE, OR WARRANT ANY CONTRACTOR, MANUFACTURER OR PRODUCT, AND THE PROGRAM ADMINISTRATOR MAKES NO WARRANTIES OR GUARANTEES IN CONNECTION WITH ANY PROJECT, OR ANY SERVICES PERFORMED IN CONNECTION HEREWITH OR THEREWITH, WHETHER STATUTORY, ORAL, WRITTEN, EXPRESS, OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THIS DISCLAIMER SHALL SURVIVE ANY CANCELLATION, COMPLETION, TERMINATION OR EXPIRATION OF THE CUSTOMER'S PARTICIPATION IN THE PROGRAM. CUSTOMER ACKNOWLEDGES AND AGREES THAT ANY WARRANTIES PROVIDED BY ORIGINAL MANUFACTURERS', LICENSORS', OR PROVIDERS' OF MATERIAL, EQUIPMENT, OR OTHER ITEMS PROVIDED OR USED IN CONNECTION WITH THE PROGRAM UNDER THESE TERMS AND CONDITIONS, INCLUDING ITEMS INCORPORATED IN THE PROGRAM, ("THIRD PARTY WARRANTIES") ARE NOT TO BE CONSIDERED WARRANTIES OF THE PROGRAM ADMINISTRATOR AND THE PROGRAM ADMINISTRATOR MAKES NO REPRESENTATIONS, GUARANTEES, OR WARRANTIES AS TO THE APPLICABILITY OR ENFORCEABILITY OF ANY SUCH THIRD PARTY WARRANTIES. THE TERMS OF THIS SECTION SHALL GOVERN OVER ANY CONTRARY VERBAL STATEMENTS OR LANGUAGE APPEARING IN ANY PROGRAM MATERIALS OR OTHER DOCUMENTS PROVIDED BY PROGRAM ADMINISTRATOR.
- Neither the Program Administrator nor any of its employees or contractors is responsible for determining that the design, engineering or installation of the EEMs is proper or complies with any particular laws, codes, or industry standards. The Program Administrator does not make any representations of any kind regarding the benefits or energy savings to be achieved by the EEMs or the adequacy or safety of the EEMs.
- Customer acknowledges and agrees that it is solely responsible (directly-based on its own judgment or indirectly-based on the advice of an independent expert (not the Program Administratori) for all aspects of the EEMs and related work including, but not limited to: selecting the equipment; selecting contractors to perform the work; inspecting the work and the equipment; ensuring that the equipment is of the manufacture, design specifications, size and capacity selected by the Customer and that the same is properly installed and suitable for Customer's purposes; and determining if work was properly performed.
- Customer agrees and acknowledges that Program Administrator is not a manufacturer of, or regularly engaged in the sale or distribution of, or an expert with regard to, any equipment or work.
- By participating in the Program, the Customer acknowledges and agrees that no activity by the Program Administrator includes any kind of safety, code or other compliance (e)
- The provisions of this Section 16 shall survive the termination, cancellation or completion of the Customer's participation in the Program.

17. Equipment, Contractor Selection and Contracting
Customer is responsible for selecting and purchasing the EEMs and selecting and contracting with the design and installation contractor(s). The Customer shall be responsible for enforcing all such contracts and for assuring that the EEMs and soliciting all applicable laws, regulations and codes, and that the contractor(s) are properly qualified, licensed and insured. Notwithstanding the customer acknowledges that the Program Administrator reserves the right to deny a vendor or contractor to participate in this Program or provide equipment or services. The Program Administrator also has the right to exclude certain equipment from the Program.

#### 18. Removal of Equipment

The Customer agrees, as a condition of participation in the Program to properly remove and dispose of or recycle the equipment, lamps and components in accordance with all applicable laws, regulations and codes. The Customer agrees not to re-install any of removed equipment in the state of Rhode Island or the service territory of any affiliate of the Program Administrator, and assumes all risk and liability associated with the reuse and disposal thereof.

#### 19. Energy Benefits

Other than the energy cost savings realized by Customer, the Program Administrator is entitled to 100% of the benefits and rights associated with the EEMs, including without limitation ISO-NE products and all other attributes, credits or products associated therewith under any regional initiative or federal, state or local law, program or regulation or program, and Customer waives, and agrees not to seek, any right to the same.

#### 20. Customer Must Declare and Pay All Taxes

The benefits conferred upon the Customer through participation in this Program may be taxable by the federal, state, and local government. The Customer is responsible for declaring and paying all such taxes. The Program Administrator is not responsible for the payment of any such taxes.

#### 21. Counterpart Execution; Scanned Copy.

Any and all agreements and documents requiring signature related hereto may be executed in several counterparts, each of which, when executed, shall be deemed to be an original, but all of which together shall constitute one and the same instrument. A scanned or electronically reproduced copy or image of such agreements and documents bearing the signatures of the parties shall be deemed an original and may be introduced or submitted in any action or proceeding as competent evidence of the execution, terms and existence of such agreements and documents notwithstanding the failure or inability to produce or tender an original, executed counterpart of the same and without the requirement that the unavailability of such original, executed counterpart of the same first be proven.

#### 22. Miscellaneous

- Paragraph headings are for the convenience of the parties only and are not to be construed as part of these Terms and Conditions.
- If any provision of these Terms and Conditions is deemed invalid by any court or administrative body having jurisdiction, such ruling shall not invalidate any other provision, and the remaining provisions shall remain in full force and effect in accordance with their terms.
- These Terms and Conditions shall be interpreted and enforced according to the laws of the state of Rhode Island.
- In the event of any conflict or inconsistency between these Terms and Conditions and any Program Materials, these Terms and Conditions shall be controlling
- Except as expressly provided herein, there shall be no modification or amendment to these Terms and Conditions or the Program Materials unless such modification or amendment is in writing and signed by a duly authorized officer of the Program Administrator.
- The provisions of Sections 5, 7, 8, 9, 11, 13, 15, 16, 18, 19, 20, and 21 (including any other sections herein that specifies by its terms that it survives termination) shall survive the termination or expiration of the Customer's participation in the Program

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