PUBLIC SECTOR ELECTRIC EFFICIENCY PROGRAM

APPLICATION AND WORKSHEETS FOR STANDARD INCENTIVE PROGRAMS



PROGRAM CONTACT INFORMATION

For additional information on the DCEO Standard and Custom Incentive Programs under the Public Sector Electric Efficiency Program:

Visit our website at www.illinoisenergy.org

or

Phone: 217/785-2863 (TDD: 217/785-6055)

or

Email us at <u>illinois.energy@illinois.gov</u>

An on-line application system is available for DCEO applicants in the ComEd Electric service territory at: www.ComEd.com

Paper applications may be mailed or delivered to DCEO's program office:

Illinois Department of Commerce and Economic Opportunity
Bureau of Energy and Recycling
Attn: PSEE
620 East Adams Street
Springfield, IL 62701

or faxed: 217/785-2618

or submitted electronically: illinois.energy@illinois.gov

APPENDIX A: APPLICATION FOR STANDARD AND CUSTOM INCENTIVE PROGRAMS

Pre-annroval

Applying for incentives from Ameren or ComEd and DCEO for same energy efficiency measure is prohibited.

Euro paran	110 approvar	A mai rippitoution	•		
Name of Applicant*	Lake County Illinois				٠
Name as it Appears on Your Utility Bill	County Administrator			Public Entity Type:	•
Name of Contact Person	Chris Kutchin	Title	Administrative Assistant	(Check One)	
Telephone#	847-377-2987	Fax#	847-984-5980	Local govt.	x
Email Address	ckutchin@lakecountyil.go	v		K-12 School	
Address Where Measures Installed	15 S. County			Community College	
City, State, Zip+4 (Measures Installed)	Waukegan, IL 60085			University	
Mailing Address	18 N. County St.			State Agency	
City, State, Zip+4 (Mailing Address)	Waukegan, IL 60085			Federal Agency	
Account Number (Where Measures Installed)	128:	5380002 Electric Utility Company	ComEd		
Taxpayer ID Number (SSN / FEIN)	36-6006600	Tax Status (Individual, Partnershi Corp, Exempt)	^{p,} Exempt		
Contracting Company	Stuckey Construction Con	прапу			
Contractor Contact Name	Laurie Dust	Contractor Phone #	847-336-8575		
Contractor Email	Laurie@stuckeyconstructi	on.com			
Contractor Address	2020 N. Lewis Ave., Wau	kegan, IL 60085			

Complete this form along with the appropriate forms in Appendices B and C.

*Applicant means (i) a unit of local, state and federal government, (ii) public school district, (iii) public community college district, or (iv) public college or university proposing an electrical energy efficiency project in Illinois that receives electric delivery service from Ameren or ComEd wires regardless of which retail electric supplier the applicant has chosen to purchase power from.

Incentive** Total \$3,907.00

Total Project Cost \$55,430.00

^{**} Incentive Cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

APPLICANT CERTIFICATIONS FOR STANDARD AND CUSTOM INCENTIVE PROGRAMS

Applicant hereby certifies that:

- The project receives electric delivery service from Ameren Illinois or ComEd. A copy of the electric utility bill or other documentation must be submitted with this Application.
- All authorizations required to perform the project, described in its application, have either been
 obtained or will be obtained no later than 90 days following the grant beginning date set forth in
 the Notice of Grant Award issued by the Department.
- The project complies with all applicable state, federal, and local environmental and zoning laws, ordinances, and regulations and that all required licenses, permits, etc., have either been obtained or will be obtained no later than 90 days following an award by DCEO.
- It is not in violation of the prohibitions against bribery of any officer or employee of the state of Illinois as set forth in 30 ILCS 505/10.1.
- It has not been barred from contracting with a unit of state or local government as a result of a violation of Section 33E-3 or 33E-4 of the Criminal Code of 1961 (720 ILCS 5/33 E-3 and 5/33 E-4).
- It is not in violation of the Educational Loan Default Act (5 ILCS 385/3).
- I understand that the State Finance Act, 30 ILCS 105/30 may apply and that payments under this
 incentive program are contingent upon the existence of a valid appropriation, and that no officer,
 institution, department, board or commission shall contract any indebtedness on behalf of the
 State, or assume to bind the State in an amount in excess of the money appropriated, unless
 expressly authorized by law.

1.101

- I understand that the Illinois Prevailing Wage Act (820 ILCS 130/0.01) may apply and that Grantees are responsible for determining if their projects will trigger compliance.
- As of the submittal date, the information provided in its application is accurate, and the individuals signing below are authorized to submit this application.

		Malla		
Authorized Official (signature*)		Project Manage	r (signature*))
		MATHEU R	CURRNIA.	า
Typed/Printed Name		Typed/Printed N	Vame	
· ·		Construction	u Marober	3/24/09
Title	Date	Title		Date
Authorized Signature Address				
Authorized Signature City, 9 Dig	git Zip			
	.			
Authorized Signature E-mail add	lress		***	
*Electronic Signatures not acc signature via mail, fax, or elec			age) with orig	ginal

Total*

Lighting Incentive Worksheet

Lighting Inc	entive Work	sheet					
Equipment Type	Incentive	Unit	# of Units	Incentive Subtotal			
Compact bloom of the Compact of Compact							
15 W or Less	\$1.50	Lamp	4	\$6.00		•	
16 W - 26 W	\$1.50	Lamp	34	\$0.00			
27 W or Greater	\$2.00	Lamp	j i	\$0.00		•	
Handly in the Compact Compress that the Constant State Compact State Com							
29 W or Less	\$25.00	Fixture	. 7	\$175.00			
30 W or Greater	\$50.00	Fixture	5	\$0.00			
Regisarengisamp Removali-243-approvarappacambas Zumas as ses							
Remove 4-foot lamp	\$6.00	Lamp		\$0.00			
Remove 8-foot lamp	\$8.00	Lamp		\$0.00			
Remove 4-foot lamp with reflector	\$12.00	Lamp	1	\$0.00			•
Remove 8-foot lamp with reflector	\$16.00	Lamp	5 · . 	\$0.00			
High terroreun estavoj sak							
4-foot lamp and ballast	\$7.00	Lamp	8.	\$0.00			
Recipe di A varrice a di di di Bissi.							
4-foot lamp and ballast	\$7.00	Lamp	23 ° .	\$0.00			
4-foot lamp only	\$1.00	Lamp		\$0.00			
Report Admires Capadas							
8-foot and ballast	\$10.00	Lamp	\$1.	\$0.00			
8-foot lamp only	\$1.00	Lamp	<u>. : : : : : : : : : : : : : : : : : : :</u>	\$0.00			
Metal/Edition, Lists extension (or this section)							
100 W or Less	\$20,00	Fixture		\$0,00	l		
101 W - 200 W	\$35.00	Fixture	13	\$0.00			
201 W - 350 W	\$40.00	Fixture		\$0.00	l		
Addresinae							
Cold Cathode	\$3.00	Lamp		\$0.00			÷
EXPSIGNS 1	200.00	-					
LED, T-1, or Electroluminescent	\$22.00	Signs	23	\$506.00			
			0.000	300000			
Occupancy Sensors	\$0.10	Connected Watts	440	644.80			
Seas Highly a Street seath arous well-enough to the seasons	30.10	Controlled	448	\$44.80			
Actions and the second state of the second s	Access to the second		and the formers				100
Total Existing Fixture Watts less Total New Fixture Watts	\$0.40	Connected Watt	0	\$0.00			
Total Existing Fixture Watts less Total New Fixture Watts	\$0.40	Reduction Connected Watt	0	\$0.00			
Total Existing Fixture Watts less Total New Fixture Watts	\$0.40	Reduction Connected Watt		\$0.00			
Metheratic sign famous		Reduction					
ILD X OTHER PROPERTY CONTROL OF THE PROPERTY O							
grow and deep an USD Worlds of the Control of the C							
Figure and constant by the first remaining of the constant of							
8" Traffic LED Signal Head	\$75	Module		\$0.00	1		
12" Traffic LED Signal Head	\$90	Module	Y	\$0.00]	•	
8" Arrow LED Module	\$20	Module		\$0.00	3		
12" Arrow LED Module	\$35	Module		\$0,00]		•
8"-9" Pedestrian LED Module	\$30	Module		\$0.00			
12" Pedestrian LED Module	\$35	Module	i i	\$0.00]		
16"x18" Pedestrian Combo	\$3 5	Module	·	\$0.00]	-	
T. 4.14	1	1	T		1 .		

\$731.80

^{*} Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost

Lighting Specifications

All lighting projects are expected to comply with the Illuminating Engineering Society of North America (IESNA) recommended lighting levels or the local code.

Compact Fluorescent Lamps (Screw-in)

This incentive applies to screw-in compact fluorescent lamps (CFLs) and applies only if an incandescent or high intensity discharge (HID) lamp is being replaced. All screw-in CFLs must be ENERGY STAR®-rated. The lamp/ballast combination must have an efficacy of ≥0 lumens per Watt (LPW). For screw-in CFLs, electronic ballasts are required for lamps ≥18 Watts.

Hardwired Compact Fluorescent Fixtures

For hardwired CFL fixtures, only complete new fixtures or modular hardwired retrofits with hardwired electronic ballasts qualify. The CFL ballast must be programmed start or programmed rapid start with a power factor (PF) ≥ 0 and a total harmonic distortion (THD) ≤ 0 %.

Permanent Lamp Removal

Incentives are paid for the permanent removal of existing fluorescent lamps. Customers are responsible for determining whether or not to use reflectors in combination with lamp removal in order to maintain adequate lighting levels. Lighting levels are expected to meet the Illuminating Engineering Society of North America (IESNA) recommended light levels. Unused lamps, lamp holders, and ballasts must be permanently removed from the fixture and disposed of in accordance with local regulations. This measure is applicable when retrofitting from T12 lamps to T8 lamps or reconfiguring a T8 fixture to reduce the number of lamps. Removing lamps from a T12 fixture that is not being retrofitted with T8 lamps are not eligible for this incentive. A **Pre-approval Application is required** for lamp removal projects in order for DCEO to conduct a pre-retrofit inspection.

High Performance 4-foot T8 Lamps and Ballast

This measure consists of replacing existing T12 lamps and magnetic ballasts with high performance T8 lamps and electronic ballasts. This measure is based on the Consortium for Energy Efficiency (CEE) high performance T8 specification (www.cee1.org/ and is summarized below. A list of qualified lamps and ballasts can be found at: http://www.cee1.org/com/com-lt/com-lt-main.php3. Both the lamp and ballast must meet the specification in order to qualify for an incentive. Incentives for this measure are calculated per lamp installed. A manufacturer's specification sheet must accompany the application.

Performance characteristics for system	is .					
Mean System Efficacy	≥ 90 Mean Lumens per Watt (MLPW) for Instant Start Ballasts					
Mean System Emcacy	≥ 88 MLPW for Programmed Rapid Start Ballasts					
· Ferrormange/Charaeter/stres/for/Lamps						
Color Rendering Index (CRI)			≥ 80			
Minimum Initial Lamp Lumens			≥ 3100 Lumens			
Lamp Life			≥ 24,000 hours			
Lumen Maintenance or			≥ 90% or			
Minimum Mean Lumens			≥ 2,900 Mean Lumens			
Performance Characjesistics for Ballast						
	Instant-Start Ballast (BEF)					
	Lamps	Low BF ≤ 0.85	Norm 0.85 < BF ≤ 1.0	High BF ≥ 1.01		
	1	> 3.08	> 3.11	NA ·		
	2	> 1.60	> 1.58	>1.55		
Ballast Efficacy Factor (BEF)	3	≥1.04	≥ 1.05	≥ 1.04		
·	4	≥ 0.79	≥ 0.80	≥ 0.77		
BEF = (BF x 100) / Ballast Input Watts	Programmed Rapid Start Ballast (BEF)					
	1	≥ 2.84	≥ 2.84	NA		
	2	≥1.48	≥ 1.47	≥ 1.51		
•	3	≥0.97	≥ 1.00	≥ 1.00		
	4	≥0.76	≥ 0.75	≥ 0.75		
Ballast Frequency		20	0 to 33 kHz or ≥ 40 kHz			
Power Factor			≥ 0.90			
Total Harmonic Distortion			≤20%			

This website contains a list of eligible components.

nended

rge efficacy

The

or not to et the sts must

2 lamp

asts. s oth the







.51

Reduced Wattage 4-foot T8

Incentives are available for replacing T12 or T8 systems with reduced wattage lamp and electronic ballast systems. The lamps and ballasts must meet the Consortium for Energy Efficiency (CEE) specification (www.cee1.org). Qualified lamps and ballast products can be found at http://www.cee1.org/com/com-lt/com-lt-main.php3. Both the lamp and ballast must qualify in order to receive an incentive for the system. The mean system efficacy must be ≥90 MLPW, CRI ≥80, and lumen maintenance at 94%. A manufacturer's specification sheet must accompany the application.

Incentives are also available for when replacing 32 Watt T8 lamps with reduced wattage T8 lamps when an electronic ballast is already present. The lamps must be reduced wattage in accordance with the Consortium for Energy Efficiency (CEE) specification (www.ceel.org)². Qualified product can be found at http://www.ceel.org/com/com-lt/com-lt-main.php3. The nominal wattage must be 28W (≥585 Lumens) or 25W (≥400 Lumens) to qualify.

Reduced Wattage 8-foot T8

This measure is for the replacement of existing T12 lamps and magnetic ballasts with reduced wattage 8-foot T8 lamps and electronic ballasts. Lamps must have a minimum MLPW of 90 and must have a nominal wattage of less than 57W. A manufacturer's specification sheet must accompany the application. Incentives are also available for replacing 59 Watt T8 lamps with reduced wattage 8-foot T8 lamps. Lamps must have a minimum MLPW of 90 and must have a nominal wattage of less than 57W. The incentive level is calculated on a per lamp basis and ballast replacement is not necessary. A manufacturer's specification sheet must accompany the application.

Metal Halide Fixtures - Pulse Start or Ceramic

This incentive applies to retrofits of high intensity discharge fixtures with either pulse start metal halide or ceramic metal halide fixtures. Total replacement wattage must be lower than existing wattage to insure energy savings. This measure is subject to possible pre-inspection. Retrofit kits may be used on existing Mercury Vapor, Standard Metal Halide or High Pressure Sodium Fixtures only.

Cathode

All Cold Cathode Fluorescent lamps (CCFLs) must replace incandescent lamps of greater than or equal to 10 Watts and not greater than 40 Watts. Cold cathode lamps may be medium (Edison) or candelabra base. Product must be rated for at least 18,000 average life hours.

Exit Signs

High-efficiency exit signs must replace or retrofit an existing incandescent exit sign. Electroluminescent, photoluminescent, T1 and light-emitting diode (LED) exit signs are eligible under this category. Non-electrified and remote exit signs are not eligible. All new exit signs or retrofit exit signs must be UL or ETL listed, have a minimum lifetime of 10 years, and have an input wattage ≤ Watts or be ENERGY STAR qualified.

Controls

Passive infrared, ultrasonic detectors and fixture-integrated sensors or sensors with a combination thereof are eligible. All sensors must be hard-wired and control interior lighting fixtures. The incentive is per Watt controlled. To assist in rebate processing, please provide the inventory of the controlled fixtures with the Final Application.

New T8/T5 Highbay Fluorescent Fixtures with electronic ballast (Example-Highbay Fixtures)

This measure consists of replacing one or more existing fixtures with new fixtures containing T8 or T5 lamps and electronic ballasts. The T8 or T5 lamps must have a color rendering index (CRI) ≥80. The electronic ballast must be high frequency (≥0 kHz), UL listed, and warranted against defects for 5 years. Ballasts must have a power factor (PF) ≥0.90. Ballasts for 4-foot lamps must have total harmonic distortion (THD) ≥0% at full light output. For 2- and 3-foot lamps, ballasts must have THD ≤32% at full light output. High output T5/T8 lamps also qualify for this rebate. This incentive can be used in highbay and lowbay fluorescent applications.

Incentives for this measure are calculated based on the reduction in connected watts. A Pre-approval Application is required for this measure in order for DCEO to conduct a pre-retrofit inspection. Specifications of the new fixtures must accompany the final application. Incentives are only available for new fixtures.

Note: PCB ballasts and lamps are hazardous materials and should be disposed of properly.

LED Traffic and Pedestrian Signals

LED traffic and pedestrian signals must replace or retrofit an existing incandescent traffic signal. Each lamp must have a maximum LED module wattage of 25. Incentives are not available for spare lights. Lights must be hardwired and single lamp replacements are not eligible, with the exception of pedestrian hand signals. The traffic signal LED modules shall fully comply with the Institute of Transportation Engineers (ITE) latest adopted specifications.

^{1, 3}This website contains a list of eligible lamps,

HVAC Incentive Worksheet

		•	
Familie of hear	A Committee of the Comm	CONTRACT HOUSE S	Lucium Committee
		14 SEER	\$15.00
,	< 65,000 Btuh (5.4 tons)	15 SEER	\$30.00
Unitary and Split Air Conditioning Systems and Air Source Heat Pumps	≥65,000 Btuh and <240,000 Btuh	11.5 EER/11.9 IPLV	. \$15.00
	(5.5-20 tons)	12 EER/12.4 IPLV	\$30.00
	≥240,000 Btuh and <760,000 Btuh	10.5 EER/10.9 IPLV	\$15.00
	(21-63 tons)	10.8 EER/12.0 IPLV	\$30.00
	≥760,000 Btuh (>	9.7 EER/11.0 IPLV	\$15.00
•	63 tons)	10.2 EER/11.0 IPLV	\$30.00
Water Carled Chillens		Level 1 (see specifications)	\$20.00
Water-Cooled Chillers	ALL	Level 2 (see specifications)	\$40.00
Air-Cooled Chillers	ALL	1.04 kW/ton-IPLV	\$30.00
Room Air Conditioners		Level 1 (see specifications)	\$30.00
	ALL	Level 2 (see specifications)	\$50.00
PTAC	ALL	13.08-(0.2556 x Btuh/1000) EER	\$30.00

Perquancaria, pe as see		inica (Sessional) chifu ficemas	Carl 1977 (form)	egas eg _{astral} y	13 THE
Air-Cooled Chillers	McQuay AGZ060c	0.8275	60	1 30	\$1,800.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
			casa salaga waji walificat		\$0.00
					\$0.00
Total					\$1,800.00

\$50 Per horsepower

As the prince undergravity				bije nisorpovalite.	£1,000,00
	7.	5	64 A 55 C45 - 65 C5	\$50	\$375.00
		The same of the foreign property of the contract Control of the co		\$50	\$0.00
Total					\$1,375.00

^{*} Unit efficiency for chillers should be provided in kW per ton - IPLV. Unit efficiency for ac units less than 65,000 Btuh should be provided in SEER. Unit efficiency for all other equipment should

IPLV= integrated Part Load Value
"* Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

Specifications for HVAC Measures

Unitary and Split Air Conditioning Systems and Air Source Heat Pumps

New unitary air conditioning units or air source heat pumps that meet or exceed the qualifying cooling efficiency shown in the HVAC Incentive Worksheet Table are eligible for an incentive. They can be either split systems or single package units. The efficiency of split systems is based on an ARI reference number. Water-cooled systems, evaporative coolers, and water source heat pumps do not qualify under this program, but may qualify under the Custom Incentive Program. All packaged and split system cooling equipment must meet Air Conditioning and Refrigeration Institute (ARI) standards (210/240, 320 or 340/360), be UL listed, use a minimum ozone-depleting refrigerant (e.g., HCFC or HFC). All required efficiencies are based on the Consortium for Energy Efficiency (CEE) high efficiency commercial air conditioning and heat pump specifications (www.ceel.org). A manufacturer's specification sheet indicating the system efficiency must accompany the application. Disposal of the existing unit must comply with local codes and ordinances.

Water- and Air-cooled Chillers

Chillers are eligible for an incentive if they have a rated kW/ton for the Integrated Part Load Value (IPLV) that is less than or equal to the qualifying Level 1 and Level 2 efficiency shown in the table below. The chiller efficiency rating must be based on ARI Standard 550/590-2003 for IPLV conditions and not based on full-load conditions. The chillers must meet ARI standards 550/590-2003, be UL listed, and use a minimum ozone-depleting refrigerant (e.g., HCFC or HFC). The ARI net capacity value should be used to determine the chiller tons. A manufacturer specification sheet with the rated kW/Ton-IPLV or COP-IPLV must accompany the application. Qualifying efficiencies for chillers are summarized below.

(Chiller type			E VOIEV
C Tiller IV E	s Ze Alians < 150	0.61	0.54
Scroll or Helical-Rotary	150 to 300	0.57	0.50
	>= 300	0.51	0,46
	< 150	0.60	0.54
Centrifugal	150 to 300	0.54	0.48
· ·	>= 300	0.49	0.44
Reciprocating	ALL	0.63	0.56
Air-Cooled	ALL	1.04	NA

Room Air Conditioners

Room air conditioning units are through-the-wall (or built-in) self-contained units that are 2 tons or less. There are two eligible efficiency levels as listed by the Consortium for Energy Efficiency. A unit can either qualify under ENERGY STAR standards or under Super Efficient Home Appliance (SEHA) Tier 1 standards. The minimum requirements and eligible equipment are listed Consortium for Energy Efficiency (CEE) high efficiency room air conditioning specifications (www.ceel.org)². These units are with and without louvered sides, without reverse cycle (i.e., heating), and casement. The qualifying efficiencies for both levels are provided below. Disposal of existing unit must comply with local codes and ordinances.

	Legis (1)	
Size (600)	CARREST STATE	ERSERVE FOR WEEKS
< 8,000	10.7	11.2
8000 to 13,999	10.8	11.3
14,000 to 19,999	10.7	11,2
>= 20,000	9.4	9.8

Package Terminal AC and Heat Pump Units (PTAC/PTHP)

Package terminal air conditioners and heat pumps are through-the-wall self contained units that are 2 tons (24,000 Btuh) or less. Only units that have an EER greater than or equal to 13.08 – (0.2556 * Capacity / 1000), where capacity is in Btuh, qualify for the incentive. All EER values must be rated at 95 °F outdoor dry-bulb temperature.

Variable Speed Drives on HVAC Motors

Variable-speed drives (VSDs) which are installed on existing chillers, HVAC fans, or HVAC pumps are eligible for this incentive. New chillers with integrated VSDs are eligible under the chiller incentive. The installation of a VSD must accompany the permanent removal or disabling of any throttling devices such as inlet vanes, bypass dampers, and throttling valves. VSDs for non-HVAC applications may be eligible for a custom incentive.

This website also has a list of eligible systems.

² This website also has a list of eligible units.

Refrigeration Incentive Worksheet

Renderenton/Austrias				
CONTROL DESCRIPTION OF THE STREET OF THE STR			MILENTON BUILD	Joe Colve
Strip Curtains on Walk-Ins	Per Square Foot		\$4.00	\$0.00
Anti-Sweat Heater Control	Per Linear Foot		\$30.00	\$0.00
EC Motor for Walk-in	Per Motor	TAKAN BARBAR BARBAR	\$50.00	\$0.00
EC Motor for Reach-in	Per Motor		\$35.00	\$0.00
Evaporative Fan Control	Per Motor		\$60.00	\$0.00
Automatic Door Closers for Walk-in Freezers	Per Door		\$160.00	\$0.00
Beverage Machine Control	Per Unit		\$100.00	\$0.00
ENERGY STAR Vending Machine	Per Unit		\$100.00	\$0.00
Snack Machine Control	Per Unit		\$30.00	\$0.00
Total	N. M. (8)			\$0.00

Helpethindians, as extraores (2004) Specific (2005)			amornino e pilo	
101-200	8.5	PER PER PER CANADA NASARAN AND AND AND AND AND AND AND AND AND A	\$100.00	\$0.00
201-300	7.7		\$150.00	\$0.00
301-400	6.5		\$200.00	\$0.00
401-500	5.5		\$200.00	\$0.00
501-1000	5.2		\$300.00	\$0.00
1001-1500	5		\$400.00	\$0.00
>1500	4.6		\$400.00	\$0.00
Total Total				\$0.00

Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost

Specifications for Refrigeration Measures

Strip Curtains on Walk-in Coolers and Freezers

New strip curtains or clear plastic swinging doors must be installed on doorways of walk-in boxes and refrigerated warehouses. This incentive is not available for display cases or replacing existing strip curtains that have useful life left. A pre-inspection may be performed. Incentive is based on square footage of doorway.

Anti-Sweat Heater Controls

For this measure, a device is installed that senses the relative humidity in the air outside of the display case and reduces or turns off the glass door (if applicable) and frame anti-sweat heaters at low-humidity conditions. Technologies that can turn off anti-sweat heaters based on sensing condensation (on the inner glass pane) also qualify. Rebate is based on the total linear footage of the case.

Electrically Commutated Evaporator Fan Motor (Refrigerated Cases or Walk-ins)

This measure is applicable to the replacement of an existing standard-efficiency shaded-pole evaporator fan motor in refrigerated display cases or fan coil in walk-ins. The replacement unit must be an Electronically Commutated Motor (ECM). This measure cannot be used in conjunction with the Evaporator Fan Controller measure.

Evaporative Fan Controls

This measure is for the installation of controls in medium temperature walk-in coolers. The controller reduces airflow of the evaporator fans when there is no refrigerant flow. The measure must control a minimum of 1/20 HP where fans operate continuously at full speed. The measure also must reduce fan motor power by at least 75% during the off cycle.

This measure is not applicable if any of the following conditions apply:

- 1) The compressor runs all the time with high duty cycle
- 2) The evaporator fan does not run at full speed all the time
- 3) The evaporator fan motor runs on poly-phase power
- 4) The evaporator fan motor is not shaded-pole or permanent split capacitor (PSC)
- 5) Evaporator does not use off-cycle or time-off defrost.

Automatic Door Closer for Walk-in Freezers

This measure is for installing an auto-closer to the main insulated opaque door(s) of a walk-in freezer. The auto-closer must firmly close the door when it is within one inch of full closure.

Beverage Machine Control

The beverage machine is assumed to be a refrigerated vending machine that contains only non-perishable bottled and canned beverages. Controller for both types of systems must include a passive infrared occupancy sensor to turn off fluorescent lights and other vending machine systems when the surrounding area is unoccupied for 15 minutes or longer. For the beverage machine, the control logic should power up the machine at 2-hour intervals to maintain product temperature and provide compressor protection.

ENERGY STAR® Refrigerated Beverage Vending Machine

ENERGY STAR beverage vending machines qualify for an incentive. Qualifying machines can be found at http://www.energystar.gov/ia/products/prod_lists/vending_machines_prod_list.pdf.

High-Efficiency Ice Makers

The rebate covers ice machines that generate 60 grams (2 oz.) or lighter ice cubes, flaked, crushed, or fragmented ice. Only air-cooled machines qualify (self contained, ice making heads, or remote condensing). The machine must have a minimum capacity of 101 lbs of ice per 24-hour period (per day). The minimum efficiency required is per ENERGY STAR or CEE Tier 2¹. A manufacturer's specification sheet must accompany the application that shows rating in accordance to ARI standard 810.

¹ The websites have a list of qualifying model numbers, <u>www.energystar.gov</u> or www.ceel.org.

Motors Incentive Worksheet

	Patricines Motion Administration of the Community of the			700	er allawaye a samananya		
in the				and of the second	0.00	chast	(100 T) (00
I	77.00%	77.00%	85,50%	85,50%	82.50%	82.50%	\$7.00
1.5	84.00%	84.00%	86.50%	86,50%	86.50%	87.50%	\$9.00
2	85.50%	85.50%	86.50%	86.50%	87.50%	88,50%	\$11.0
3	85.50%	86.50%	89,50%	89.50%	88.50%	89.50%	\$16.0
5	86.50%	88.50%	89.50%	89.50%	89.50%	89.50%	\$20.0
7.5	88.50%	89.50%	91.00%	91.70%	90.20%	91.00%	\$35.0
10	89.50%	90.20%	91.70%	91.70%	91.00%	91.00%	\$45.0
15	90.20%	. 91.00%	93.00%	92,40%	91.70%	91.70%	\$60.0
20	91.00%	91.00%	93.00%	93.00%	92.40%	91.70%	\$75.0
25	91.70%	91.70%	93.60%	93.60%	93.00%	93.00%	\$80.0
30	91.70%	91.70%	94.10%	93.60%	93.60%	93.00%	\$90.0
40	92.40%	92.40%	94,10%	94.10%	94.10%	94.10%	\$100.0
50	93.00%	93.00%	94.50%	94.50%	94.10%	94,10%	\$125.0
60	93.60%	93.60%	95.00%	95.00%	94.50%	94.50%	\$150.
75	93.60%	93.60%	95.00%	95.40%	94.50%	94.50%	\$175.
100	93.60%	94.10%	95.40%	95.40%	95.00%	95.00%	\$250.
125	94.10%	95.00%	95.40%	95,40%	95.00%	95.00%	\$275.
150	94.10%	95.00%	95.80%	95.80%	95.40%	95.80%	\$325.
200	95.00%	95.40%	95.80%	96,20%	95.40%	95.80%	\$450.

		(40) 05019	(Little et al.	0)300				
Allonia <u>Le</u> mbi	szofen Size		0.100	(Carrie	u watering	0.000	100000	Signal P. N.
		te composition de la composi-	an saturati					
					100 CO 100 CO		0	\$0
			S SA SASSES		. P. 68 . 32	auspaineras.	0	. \$0
os esesti os anesestos	desidenta è			Million (Blooding)			0	\$0
							0	\$0
			n asteromis	olednikursii.	s central constant		0	\$0
Sandragovski prosesta se						100011000000000000000000000000000000000	0	\$0
			i sana sa c	462-0000000			0	\$0
Total*			trade to the	e grantan			a jirola ir	\$0

Specifications for Premium Motors

Motors eligible for an incentive are three-phase AC induction motors, 1-200 HP, of open drip-proof (open) and totally enclosed fan-cooled (closed) classifications. Rewound motors do not qualify, Incentives are based on the motor's Nominal Full Load Efficiencies, tested in accordance with IEEE (Institute of Electrical and Electronics Engineers) Standard 112, method B, that meet or exceed the NEMA premium efficiency standards on the Motors Incentive Worksheet. The application must include the manufacturer's performance data sheet that at least shows equipment type, equipment size, model number, and efficiency rating. Customers should consider matching RPMs of the existing pump or fan when installing energy efficient motors that inherently have higher speeds (less slip), which may affect electric energy use.

[&]quot;Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

Specifications for Premium Motors

Motors eligible for an incentive are three-phase AC induction motors, 1-200 HP, of open drip-proof (open) and totally enclosed fan-cooled (closed) classifications. Rewound motors do not qualify. Incentives are based on the motor's Nominal Full Load Efficiencies, tested in accordance with IEEE (Institute of Electrical and Electronics Engineers) Standard 112, method B, that meet or exceed the NEMA premium efficiency standards on the Motors Incentive Worksheet. The application must include the manufacturer's performance data sheet that at least shows equipment type, equipment size, model number, and efficiency rating. Customers should consider matching RPMs of the existing pump or fan when installing energy efficient motors that inherently have higher speeds (less slip), which may affect electric energy use.

** Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

Total Standard Incentive

Total Incentive	\$3,907
Motors	\$0
Refrigeration	\$0
HVAC	\$3,175
Lighting	\$732

Inventory of Fixtures Controlled by Occupancy Sensors

Fixture Tag	Type of Fixture	Fixture Wattage	Number of Fixtures
Α	2'X4' 2-lamp T5	56	2
С	4' 2-lamp T5	56	3
M	13W	13	2
Total Control	led Wattage:	and the state of t	and the first of t

Total Wattage for all Fixtures

PUBLIC SECTOR ELECTRIC EFFICIENCY PROGRAM

APPLICATION AND WORKSHEETS FOR STANDARD INCENTIVE PROGRAMS



PROGRAM CONTACT INFORMATION

For additional information on the DCEO Standard and Custom Incentive Programs under the Public Sector Electric Efficiency Program:

Visit our website at www.illinoisenergy.org

or

Phone: 217/785-2863 (TDD: 217/785-6055)

or

Email us at illinois.energy@illinois.gov

An on-line application system is available for DCEO applicants in the ComEd Electric service territory at:

www.ComEd.com

Paper applications may be mailed or delivered to DCEO's program office:

Illinois Department of Commerce and Economic Opportunity
Bureau of Energy and Recycling
Attn: PSEE
620 East Adams Street
Springfield, IL 62701

or faxed: 217/785-2618

or submitted electronically: illinois.energy@illinois.gov

APPENDIX A: APPLICATION FOR STANDARD AND CUSTOM INCENTIVE PROGRAMS

Pre-annroval

Applying for incentives from Ameren or ComEd and DCEO for same energy efficiency measure is prohibited.

Georgianen	a lie applotax	enter en h	•	· .
Name of Applicant	Lake County Illinois			
Name as it Appears on Your Utility Bill	Lake County Health Departm	ent		Public Entity Type:
Name of Contact Person	Bruce Robbins	Title	Facilities Manager	(Check One)
Telephone #	847-377-8041	Fax#	847-360-3656	Local govt.
Email Address	hrobbins@lakecountyil.gov			K-12 School
Address Where Measures Installed	3010 Grand Ave			Community College
City, State, Zip+4 (Measures Installed)	Waukegan, IL 60085			University
Mailing Address	3010 Grand Ave			State Agency
City, State, Zip+4 (Mailing Address)	Waukegan, IL 60085			Federal Agency
Account Number (Where Measures Installed)	195035	0018 Electric Utility Company	ComEd	
Taxpayer ID Number (SSN / FEIN)	36-6006600	Tax Status (Individual, Partnersh Corp, Exempt)	^{ip,} Exempt	
Contracting Company	AJ Maggio Co.			
Contractor Contact Name	Kurt Goudy	Contractor Phone #	847-437-7300	
Contractor Email	Kurt@AJMaggio.com			
Contractor Address	567 W. Algonquin Rd., Mt. I	Prospect, IL 60056-5774		

Final Application

Complete this form along with the appropriate forms in Appendices B and C.

*Applicant means (i) a unit of local, state and federal government, (ii) public school district, (iii) public community college district, or (iv) public college or university proposing an electrical energy efficiency project in Illinois that receives electric delivery service from Ameren or ComEd wires regardless of which retail electric supplier the applicant has chosen to purchase power from.

 Incentive** Total
 \$11,600.00

 Total Project Cost
 \$473,000.00

^{**} Incentive Cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

APPLICANT CERTIFICATIONS FOR STANDARD AND CUSTOM INCENTIVE PROGRAMS

Applicant hereby certifies that:

- The project receives electric delivery service from Ameren Illinois or ComEd. A copy of the
 electric utility bill or other documentation must be submitted with this Application.
- All authorizations required to perform the project, described in its application, have either been
 obtained or will be obtained no later than 90 days following the grant beginning date set forth in
 the Notice of Grant Award issued by the Department.
- The project complies with all applicable state, federal, and local environmental and zoning laws, ordinances, and regulations and that all required licenses, permits, etc., have either been obtained or will be obtained no later than 90 days following an award by DCEO.
- It is not in violation of the prohibitions against bribery of any officer or employee of the state of Illinois as set forth in 30 ILCS 505/10.1.
- It has not been barred from contracting with a unit of state or local government as a result of a violation of Section 33E-3 or 33E-4 of the Criminal Code of 1961 (720 ILCS 5/33 E-3 and 5/33 E-4).
- It is not in violation of the Educational Loan Default Act (5 ILCS 385/3).
- I understand that the State Finance Act, 30 ILCS 105/30 may apply and that payments under this
 incentive program are contingent upon the existence of a valid appropriation, and that no officer,
 institution, department, board or commission shall contract any indebtedness on behalf of the
 State, or assume to bind the State in an amount in excess of the money appropriated, unless
 expressly authorized by law.
- I understand that the Illinois Prevailing Wage Act (820 ILCS 130/0.01) may apply and that Grantees are responsible for determining if their projects will trigger compliance.
- As of the submittal date, the information provided in its application is accurate, and the individuals signing below are authorized to submit this application.

		Bruce Noblini
Authorized Official (sig	mature*)	Project Manager (signature*) Bruce Robbins
Typed/Printed Name		Typed/Printed Name Facilities Monager 3/19/0
Title	Date	Title Date
Authorized Signature A	ddress	
Authorized Signature C	ity, 9 Digit Zip	
Authorized Signature E	-mail address	
•	s not acceptable. Please supply or electronically (scanned d	y Certifications (this page) with original

Lighting Inc	entive Work	sheet					
Equipment Type	Incentive	Unit	# of Units	Incentive Subtotal			
inipatitionered interpress, as a supplementary							
15 W or Less	\$1.50	Lamp	in the second second	\$0.00			
16 W - 26 W	\$1.50	Lamp	14	\$0.00			
27 W or Greater	\$2.00	Lamp	\$ 1	\$0.00			
reduced confectable even denie				50.00			
29 W or Less	\$25.00	Fixture		\$0.00			•
30 W or Greater	\$50.00	Fixture	: :::	\$0.00			
ermanen domiji kemeva 1940. <i>apor wazani ke niya 199</i> 0. apos 20							
Remove 4-foot lamp	\$6.00	Lamp		\$0.00			
Remove 8-foot lamp	\$8.00	Lamp	<u> </u>	\$0.00		•	
Remove 4-foot lamp with reflector	\$12.00	Lamp		\$0.00			
Remove 8-foot lamp with reflector	\$16.00	Lamp	100	\$0.00			
ight Programme equipme (14)							
4-foot lamp and ballast	\$7.00	Lamp		\$0.00			
unital Valence in the second		1	la c	40.00			
4-foot lamp and ballast	\$7.00	Lamp		\$0.00			
4-foot lamp only	\$1.00	Lamp	80 S	\$0.00			
etions bewart greek tools its	₩1.00			30,00			
8-foot and ballast	\$10.00	Lama		\$0.00			
8-foot lamp only	\$1.00	Lamp Lamp	ja i	\$0.00			
Real-Hallies - Phis Marior Cramic Confession		Zamp		30,00			
100 W or Less	\$20.00	Fixture		\$0.00			
101 W - 200 W	\$35.00	Fixture	6) 	\$0.00			
201 W - 350 W	\$40.00	Fixture	<u> </u>	\$0.00			
THE CHARGE	310.00	Tixture		50,00			
Cold Cathode	\$3.00	Lamp		60.00			
ALNIHOS TO SEE	35.00	Lamp	B* -	\$0.00			
LED, T-1, or Electroluminescent	\$22,00	Signs		60.00			
EED, 1-1, 01 Electronimizecom	\$22,00	Signs		\$0.00			
ominal and a second of the sec	e in the late		Control of the Contro				
		Connected Watts					
Occupancy Sensors	\$0.10	Controlled Watts	Ÿ.	\$0.00			
$q(s)$) for the constraints of the Constraints of the problem and $s \in \mathbb{R}^n$			e av alterioristicale		in the state of th		
 Attendes via sur l'en appropria appropria de l'entre de l'est de la company. 							
Total Existing Fixture Watts less Total New Fixture Watts	\$0.40	Connected Watt	0	\$0.00			
Total Existing Fixture Watts less Total New Fixture Watts	\$0.40	Connected Watt	0	\$0.00		e salistati devalet et	aga (GALER)
Total Existing Fixture Watts less Total New Fixture Watts	\$0.40	Connected Watt	0	\$0.00		PR 01/5/5/5/5/	
ADITION CONTINUES		Reduction			Service Control of the Control of President Control of		V12423 1470, 4844
io denotre al compresso de la c							
			TO SECURE AND A SE				
and and the control of the control o				160			
						•	
er and the translation with some than a major of the second secon	\$75	Module		\$0.00		·	
e and the standard control of the standard stand	\$75 \$90	Module Module		\$0.00 \$0.00			
Townseles County Bulby County County County Bulby Co	\$90	Module		\$0.00 \$0.00			
Commence Commence Control of the Commence of	\$90 \$20	Module Module		\$0.00 \$0.00 \$0.00			
8" Traffic LED Signal Head 12" Traffic LED Signal Head 8" Arrow LED Module 12" Arrow LED Module 8"-9" Pedestrian LED Module	\$90 \$20 \$35 \$30	Module Module Module Module		\$0.00 \$0.00 \$0.00 \$0.00	·		
town the tree state to the control of the state of the control of	\$90 \$20 \$35	Module Module Module		\$0.00 \$0.00 \$0.00			

^{*} Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost

Lighting Specifications

All lighting projects are expected to comply with the Illuminating Engineering Society of North America (IESNA) recommended lighting levels or the local code.

Compact Fluorescent Lamps (Screw-in)

This incentive applies to screw-in compact fluorescent lamps (CFLs) and applies only if an incandescent or high intensity discharge (HID) lamp is being replaced. All screw-in CFLs must be ENERGY STAR®-rated. The lamp/ballast combination must have an efficacy of ≥0 lumens per Watt (LPW). For screw-in CFLs, electronic ballasts are required for lamps ≥18 Watts.

Hardwired Compact Fluorescent Fixtures

For hardwired CFL fixtures, only complete new fixtures or modular hardwired retrofits with hardwired electronic ballasts qualify. The CFL ballast must be programmed start or programmed rapid start with a power factor (PF) ≥ 0 and a total harmonic distortion (THD) ≤ 0 %.

Permanent Lamp Removal

Incentives are paid for the permanent removal of existing fluorescent lamps. Customers are responsible for determining whether or not to use reflectors in combination with lamp removal in order to maintain adequate lighting levels. Lighting levels are expected to meet the Illuminating Engineering Society of North America (IESNA) recommended light levels. Unused lamps, lamp holders, and ballasts must be permanently removed from the fixture and disposed of in accordance with local regulations. This measure is applicable when retrofitting from T12 lamps to T8 lamps or reconfiguring a T8 fixture to reduce the number of lamps. Removing lamps from a T12 fixture that is not being retrofitted with T8 lamps are not eligible for this incentive. A **Pre-approval Application is required** for lamp removal projects in order for DCEO to conduct a pre-retrofit inspection.

High Performance 4-foot T8 Lamps and Ballast

This measure consists of replacing existing T12 lamps and magnetic ballasts with high performance T8 lamps and electronic ballasts. This measure is based on the Consortium for Energy Efficiency (CEE) high performance T8 specification (www.cee1.org/com/com-lt/com-lt-main.php3 and is summarized below. A list of qualified lamps and ballasts can be found at: http://www.cee1.org/com/com-lt/com-lt-main.php3. Both the lamp and ballast must meet the specification in order to qualify for an incentive. Incentives for this measure are calculated per lamp installed. A manufacturer's specification sheet must accompany the application.

	Taraba and the same of the sam						
MP enformance (Characteristic stor Siyster		- 00.00		D-0-1			
Mean System Efficacy	≥ 90 Mean Lumens per Watt (MLPW) for Instant Start Ballasts						
		≥ 88 MLPW f	or Programmed Rapid Start Ballas	STS			
Pentormance Characteristics for Entitle							
Color Rendering Index (CRI)	≥80						
Minimum Initial Lamp Lumens	≥ 3100 Lumens						
Lamp Life			≥ 24,000 hours				
Lumen Maintenance or	≥ 90% or						
Minimum Mean Lumens	İ		≥ 2,900 Mean Lumens				
(Fertomanice Characteristics to Balles	(Salah)						
	Instant-Start Ballast (BEF)						
	Lamps	Low BF ≤ 0.85	Norm 0.85 < BF ≤ 1.0	High BF ≥ 1.01			
	1	> 3.08	> 3.11	· NA			
•	2	> 1.60	> 1.58	>1.55			
Ballast Efficacy Factor (BEF)	3	≥1.04	≥ 1.05	≥ 1.04			
	4	≥ 0.79	≥ 0.80	≥ 0.77			
BEF = (BF x 100) / Ballast Input Watts	Programmed Rapid Start Ballast (BEF)						
	1	≥ 2.84	≥ 2.84	NA			
•	2	≥1.48	≥ 1.47	≥ 1.51			
	3	≥0.97	≥ 1.00	≥ 1.00			
	4	≥0.76	≥ 0.75	≥ 0.75			
Ballast Frequency		2	0 to 33 kHz or ≥ 40 kHz				
Power Factor			≥ 0.90				
Total Harmonic Distortion			≤20%				

This website contains a list of eligible components.

nended

rge efficacy

The

or not to et the its must

2 lamp

asts. s oth the



.

1.01

A .51

.75

Reduced Wattage 4-foot T8

Incentives are available for replacing T12 or T8 systems with reduced wattage lamp and electronic ballast systems. The lamps and ballasts must meet the Consortium for Energy Efficiency (CEE) specification (www.ceel.org). Qualified lamps and ballast products can be found at http://www.ceel.org/com/com-lt/com-lt-main.php3. Both the lamp and ballast must qualify in order to receive an incentive for the system. The mean system efficacy must be ≥90 MLPW, CRI ≥80, and lumen maintenance at 94%. A manufacturer's specification sheet must accompany the application.

Incentives are also available for when replacing 32 Watt T8 lamps with reduced wattage T8 lamps when an electronic ballast is already present. The lamps must be reduced wattage in accordance with the Consortium for Energy Efficiency (CEE) specification (www.cee1.org/com/com-lt/com-lt-main.php3. The nominal wattage must be 28W (\$\geq\$585 Lumens) or 25W (\$\geq\$400 Lumens) to qualify.

Reduced Wattage 8-foot T8

This measure is for the replacement of existing T12 lamps and magnetic ballasts with reduced wattage 8-foot T8 lamps and electronic ballasts. Lamps must have a minimum MLPW of 90 and must have a nominal wattage of less than 57W. A manufacturer's specification sheet must accompany the application. Incentives are also available for replacing 59 Watt T8 lamps with reduced wattage 8-foot T8 lamps. Lamps must have a minimum MLPW of 90 and must have a nominal wattage of less than 57W. The incentive level is calculated on a per lamp basis and ballast replacement is not necessary. A manufacturer's specification sheet must accompany the application.

Metal Halide Fixtures - Pulse Start or Ceramic

This incentive applies to retrofits of high intensity discharge fixtures with either pulse start metal halide or ceramic metal halide fixtures. Total replacement wattage must be lower than existing wattage to insure energy savings. This measure is subject to possible pre-inspection. Retrofit kits may be used on existing Mercury Vapor, Standard Metal Halide or High Pressure Sodium Fixtures only.

Cathode

All Cold Cathode Fluorescent lamps (CCFLs) must replace incandescent lamps of greater than or equal to 10 Watts and not greater than 40 Watts. Cold cathode lamps may be medium (Edison) or candelabra base. Product must be rated for at least 18,000 average life hours.

Exit Signs

High-efficiency exit signs must replace or retrofit an existing incandescent exit sign. Electroluminescent, photoluminescent, T1 and light-emitting diode (LED) exit signs are eligible under this category. Non-electrified and remote exit signs are not eligible. All new exit signs or retrofit exit signs must be UL or ETL listed, have a minimum lifetime of 10 years, and have an input wattage ≤ Watts or be ENERGY STAR qualified.

Controls

Passive infrared, ultrasonic detectors and fixture-integrated sensors or sensors with a combination thereof are eligible. All sensors must be hard-wired and control interior lighting fixtures. The incentive is per Watt controlled. To assist in rebate processing, please provide the inventory of the controlled fixtures with the Final Application.

New T8/T5 Highbay Fluorescent Fixtures with electronic ballast (Example-Highbay Fixtures)

This measure consists of replacing one or more existing fixtures with new fixtures containing T8 or T5 lamps and electronic ballasts. The T8 or T5 lamps must have a color rendering index (CRI) \geq 80. The electronic ballast must be high frequency (\geq 0 kHz), UL listed, and warranted against defects for 5 years. Ballasts must have a power factor (PF) \geq 0.90. Ballasts for 4-foot lamps must have total harmonic distortion (THD) \leq 20% at full light output. For 2- and 3-foot lamps, ballasts must have THD \leq 2% at full light output. High output T5/T8 lamps also qualify for this rebate. This incentive can be used in highbay and lowbay fluorescent applications.

Incentives for this measure are calculated based on the reduction in connected watts. A **Pre-approval Application is required** for this measure in order for DCEO to conduct a pre-retrofit inspection. Specifications of the new fixtures must accompany the final application. Incentives are only available for new fixtures.

Note: PCB ballasts and lamps are hazardous materials and should be disposed of properly.

LED Traffic and Pedestrian Signals

LED traffic and pedestrian signals must replace or retrofit an existing incandescent traffic signal. Each lamp must have a maximum LED module wattage of 25. Incentives are not available for spare lights. Lights must be hardwired and single lamp replacements are not eligible, with the exception of pedestrian hand signals. The traffic signal LED modules shall fully comply with the Institute of Transportation Engineers (ITE) latest adopted specifications.

^{1, 3}This website contains a list of eligible lamps.

HVAC Incentive Worksheet

a se a diniminal de la composición del composición del composición de la composición		Contain Hequal V	a la compressione
		14 SEER	\$15.00
	< 65,000 Bluh (5.4 tons)	15 SEER	\$30.00
TI	≥65,000 Bluh and <240,000 Bluh	11.5 EER/11.9 IPLV	\$15.00
Unitary and Split Air Conditioning Systems and Air Source Heat Pumps	(5,5-20 tons)	12 EER/12.4 IPLV	\$30.00
	≥240,000 Btuh and <760,000 Btuh	10.5 EER/10.9 IPLV	\$15.00
	(21-63 tons)	10.8 EER/12.0 IPLV	\$30.00
·	≥760,000 Btuh (>	9.7 EER/11.0 IPLV	\$15.00
	63 tons)	10.2 EER/11.0 IPLV	\$30.00
Water-Cooled Chillers		Level 1 (see specifications)	\$20.00
Water-Cooled Chancis	ALL	Level 2 (see specifications)	\$40.00
Air-Cooled Chillers	ALL	1.04 kW/ton-IPLV	\$30.00
Room Air Conditioners		Level 1 (see specifications)	\$30.00
Koom Air Conditioners	ALL	Level 2 (see specifications)	\$50.00
PTAC	ALL	13.08-(0.2556 x Btuh/1000) EER	\$30.00

E E E E E E E E E E E E E E E E E E E					:11	
			0.000000000	VUETE 107		1000
Water-cooled chillers	McQuay WMC290	0.328	290	1	40.	\$11,600.0
			g (5) (5) (6)			\$0.00
	steel in season of the season of				toward size	\$0.00
						\$0.00
						\$0.00
					realisada da	\$0.00
						\$0.00
Total						\$11,600.0

Xisuna He Xipsada Dirike and Blood Martines. \$50 Per horsepower

a was senioral and en			arrenne engle 1975	Till (I)
			\$50	\$0.00
			\$50	\$0.00
			\$ 50	\$0.00
Total **	PARTY HIS			\$0.00

[•] Unit efficiency for chillers should be provided in kW per ton - IPLV. Unit efficiency for ac units less than 65,000 Btuh should be provided in SEER. Unit efficiency for all other equipment should be provided in EER.

IPLV= Integrated Part Load Value

^{**} Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

Specifications for HVAC Measures

Unitary and Split Air Conditioning Systems and Air Source Heat Pumps

New unitary air conditioning units or air source heat pumps that meet or exceed the qualifying cooling efficiency shown in the HVAC Incentive Worksheet Table are eligible for an incentive. They can be either split systems or single package units. The efficiency of split systems is based on an ARI reference number. Water-cooled systems, evaporative coolers, and water source heat pumps do not qualify under this program, but may qualify under the Custom Incentive Program. All packaged and split system cooling equipment must meet Air Conditioning and Refrigeration Institute (ARI) standards (210/240, 320 or 340/360), be UL listed, use a minimum ozone-depleting refrigerant (e.g., HCFC or HFC). All required efficiencies are based on the Consortium for Energy Efficiency (CEE) high efficiency commercial air conditioning and heat pump specifications (www.ceel.org). A manufacturer's specification sheet indicating the system efficiency must accompany the application. Disposal of the existing unit must comply with local codes and ordinances.

Water- and Air-cooled Chillers

Chillers are eligible for an incentive if they have a rated kW/ton for the Integrated Part Load Value (IPLV) that is less than or equal to the qualifying Level 1 and Level 2 efficiency shown in the table below. The chiller efficiency rating must be based on ARI Standard 550/590-2003 for IPLV conditions and not based on full-load conditions. The chillers must meet ARI standards 550/590-2003, be UL listed, and use a minimum ozone-depleting refrigerant (e.g., HCFC or HFC). The ARI net capacity value should be used to determine the chiller tons. A manufacturer specification sheet with the rated kW/Ton-IPLV or COP-IPLV must accompany the application. Qualifying efficiencies for chillers are summarized below.

allier workers	< 150	0.61	0.54
Scroll or Helical-Rotary	150 to 300	0.61	0.54
Scroll of Helical-Rotary	>= 300	0.57 0.51	0.50
	>= 300 < 150	0.60	0.46
Centrifugal	150 to 300	0.54	0.48
Centinogai	>= 300	0.49	0.48
Reciprocating	ALL	0.63	0.56
Air-Cooled	ALL	1.04	NA

Room Air Conditioners

Room air conditioning units are through-the-wall (or built-in) self-contained units that are 2 tons or less. There are two eligible efficiency levels as listed by the Consortium for Energy Efficiency. A unit can either qualify under ENERGY STAR standards or under Super Efficient Home Appliance (SEHA) Tier 1 standards. The minimum requirements and eligible equipment are listed Consortium for Energy Efficiency (CEE) high efficiency room air conditioning specifications (www.ceel.org)². These units are with and without louvered sides, without reverse cycle (i.e., heating), and casement. The qualifying efficiencies for both levels are provided below. Disposal of existing unit must comply with local codes and ordinances.

	Server of the se	
SYCHOLOGIC CONTRACTOR		
< 8,000	10.7	11.2
8000 to 13,999	10.8	11.3
14,000 to 19,999	10.7	11.2
>= 20,000	9.4	9.8

Package Terminal AC and Heat Pump Units (PTAC/PTHP)

Package terminal air conditioners and heat pumps are through-the-wall self contained units that are 2 tons (24,000 Btuh) or less. Only units that have an EER greater than or equal to 13.08 – (0.2556 * Capacity / 1000), where capacity is in Btuh, qualify for the incentive. All EER values must be rated at 95 °F outdoor dry-bulb temperature.

Variable Speed Drives on HVAC Motors

Variable-speed drives (VSDs) which are installed on existing chillers, HVAC fans, or HVAC pumps are eligible for this incentive. New chillers with integrated VSDs are eligible under the chiller incentive. The installation of a VSD must accompany the permanent removal or disabling of any throttling devices such as inlet vanes, bypass dampers, and throttling valves. VSDs for non-HVAC applications may be eligible for a custom incentive.

This website also has a list of eligible systems.

This website also has a list of eligible units.

Refrigeration Incentive Worksheet

Rozdjevlatimi višebje da se se se se se				
	Slesabigati saanis	o escacionario com d	(lavoni) ven mids	s dinientros
Strip Curtains on Walk-Ins	Per Square Foot		\$4.00	\$0.00
Anti-Sweat Heater Control	Per Linear Foot		\$30,00	\$0.00
EC Motor for Walk-in	Per Motor		\$50.00	\$0.00
EC Motor for Reach-in	Per Motor		\$35.00	\$0.00
Evaporative Fan Control	Per Motor		\$60.00	\$0.00
Automatic Door Closers for Walk-in Freezers	Per Door		\$160.00	\$0.00
Beverage Machine Control	Per Unit		\$100.00	\$0.00
ENERGY STAR Vending Machine	Per Unit		\$100.00	\$0.00
Snack Machine Control	Per Unit		\$30.00	\$0.00
Total Total				\$0.00

Highenticians to restors			
320fbs/24656	0,000,000		g e e
101-200	8.5	\$100.00	\$0.00
201-300	7.7	\$150.00	\$0.00
301-400	6.5	\$200.00	\$0.00
401-500	5.5	\$200.00	\$0.00
501-1000	5.2	\$300.00	\$0.00
1001-1500	5	\$400.00	\$0.00
>1500	4.6	\$400.00	\$0.00
[otal]			\$0.00

Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

Specifications for Refrigeration Measures

Strip Curtains on Walk-in Coolers and Freezers

New strip curtains or clear plastic swinging doors must be installed on doorways of walk-in boxes and refrigerated warehouses. This incentive is not available for display cases or replacing existing strip curtains that have useful life left. A pre-inspection may be performed. Incentive is based on square footage of doorway.

Anti-Sweat Heater Controls

For this measure, a device is installed that senses the relative humidity in the air outside of the display case and reduces or turns off the glass door (if applicable) and frame anti-sweat heaters at low-humidity conditions. Technologies that can turn off anti-sweat heaters based on sensing condensation (on the inner glass pane) also qualify. Rebate is based on the total linear footage of the case.

Electrically Commutated Evaporator Fan Motor (Refrigerated Cases or Walk-ins)

This measure is applicable to the replacement of an existing standard-efficiency shaded-pole evaporator fan motor in refrigerated display cases or fan coil in walk-ins. The replacement unit must be an Electronically Commutated Motor (ECM). This measure cannot be used in conjunction with the Evaporator Fan Controller measure.

Evaporative Fan Controls

This measure is for the installation of controls in medium temperature walk-in coolers. The controller reduces airflow of the evaporator fans when there is no refrigerant flow. The measure must control a minimum of 1/20 HP where fans operate continuously at full speed. The measure also must reduce fan motor power by at least 75% during the off cycle.

This measure is not applicable if any of the following conditions apply:

- 1) The compressor runs all the time with high duty cycle
- 2) The evaporator fan does not run at full speed all the time
- 3) The evaporator fan motor runs on poly-phase power
- 4) The evaporator fan motor is not shaded-pole or permanent split capacitor (PSC)
- 5) Evaporator does not use off-cycle or time-off defrost.

Automatic Door Closer for Walk-in Freezers

This measure is for installing an auto-closer to the main insulated opaque door(s) of a walk-in freezer. The auto-closer must firmly close the door when it is within one inch of full closure.

Beverage Machine Control

The beverage machine is assumed to be a refrigerated vending machine that contains only non-perishable bottled and canned beverages. Controller for both types of systems must include a passive infrared occupancy sensor to turn off fluorescent lights and other vending machine systems when the surrounding area is unoccupied for 15 minutes or longer. For the beverage machine, the control logic should power up the machine at 2-hour intervals to maintain product temperature and provide compressor protection.

ENERGY STAR® Refrigerated Beverage Vending Machine

ENERGY STAR beverage vending machines qualify for an incentive. Qualifying machines can be found at http://www.energystar.gov/ia/products/prod_lists/vending_machines_prod_list.pdf.

High-Efficiency Ice Makers

The rebate covers ice machines that generate 60 grams (2 oz.) or lighter ice cubes, flaked, crushed, or fragmented ice. Only air-cooled machines qualify (self contained, ice making heads, or remote condensing). The machine must have a minimum capacity of 101 lbs of ice per 24-hour period (per day). The minimum efficiency required is per ENERGY STAR or CEE Tier 2¹. A manufacturer's specification sheet must accompany the application that shows rating in accordance to ARI standard 810.

The websites have a list of qualifying model numbers, www.energystar.gov or www.cee1.org.

Motors Incentive Worksheet

vinginani ing paga		Contract Contracts					
tege lands	(0 40 (00)				3 (4) (1) (1) (1) (1) (1)	ON STATE	liverii Santa
1	77.00%	77.00%	85.50%	85.50%	82.50%	82.50%	\$7.
1.5	84.00%	84.00%	86.50%	86.50%	86.50%	87.50%	\$9.
2	85.50%	85.50%	86.50%	86.50%	87.50%	88.50%	\$11
3	85.50%	86.50%	89.50%	89.50%	88.50%	89.50%	\$16
5	86.50%	88.50%	89.50%	89.50%	89.50%	89.50%	\$20
7.5	88.50%	89.50%	91.00%	91.70%	90.20%	91.00%	\$35
10 .	89.50%	90.20%	91.70%	91.70%	91.00%	91.00%	\$45
15	90.20%	91.00%	93.00%	92.40%	91.70%	91.70%	\$60
20	91.00%	91.00%	93.00%	93.00%	92.40%	91.70%	\$75
25	91.70%	91.70%	93.60%	93.60%	93.00%	93.00%	\$80
30	91.70%	91.70%	94.10%	93.60%	93.60%	93.00%	\$90
40	92,40%	92.40%	94.10%	94.10%	94.10%	94.10%	\$10
50 .	93.00%	93.00%	94.50%	94.50%	94.10%	94.10%	\$12
60	93.60%	93.60%	95.00%	95.00%	94.50%	94.50%	\$15
75	93.60%	93.60%	95.00%	95.40%	94.50%	94.50%	\$17
100	93.60%	94.10%	95.40%	95.40%	95.00%	95.00%	\$250
125	94,10%	95.00%	95.40%	95.40%	95.00%	95.00%	\$27.
150	94.10%	95.00%	95.80%	95,80%	95,40%	. 95.80%	\$32
200	95.00%	95.40%	95.80%	96,20%	95.40%	95.80%	\$450

VID.01	Mary 1	r selection and		1000	10000	610 (817) (837)
						1000 (00000)
					0	\$0
					0	\$0
			and the later of the second		0	\$0
					0	\$0
		1000 500			0	\$0
					0	\$0
					0	\$0`
Total*				a Araba Saa		\$0

Specifications for Premium Motors

Motors eligible for an incentive are three-phase AC induction motors, 1-200 HP, of open drip-proof (open) and totally enclosed fan-cooled (closed) classifications. Rewound motors do not qualify. Incentives are based on the motor's Nominal Full Load Efficiencies, tested in accordance with IEEE (Institute of Electrical and Electronics Engineers) Standard 112, method B, that meet or exceed the NEMA premium efficiency standards on the Motors Incentive Worksheet. The application must include the manufacturer's performance data sheet that at least shows equipment type, equipment size, model number, and efficiency rating. Customers should consider matching RPMs of the existing pump or fan when installing energy efficient motors that inherently have higher speeds (less slip), which may affect electric energy use.

^{**} Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

Specifications for Premium Motors

Motors eligible for an incentive are three-phase AC induction motors, 1-200 HP, of open drip-proof (open) and totally enclosed fan-cooled (closed) classifications. Rewound motors do not qualify. Incentives are based on the motor's Nominal Full Load Efficiencies, tested in accordance with IEEE (Institute of Electrical and Electronics Engineers) Standard 112, method B, that meet or exceed the NEMA premium efficiency standards on the Motors Incentive Worksheet. The application must include the manufacturer's performance data sheet that at least shows equipment type, equipment size, model number, and efficiency rating. Customers should consider matching RPMs of the existing pump or fan when installing energy efficient motors that inherently have higher speeds (less slip), which may affect electric energy use.

** Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

Total Standard Incentive

Total Incentive	\$11,600
Motors	\$0
Refrigeration	\$0
HVAC	\$11,600
Lighting	\$0

Robbins, H. Bruce

From: Kim Sherman [kims@mcdonoughmech.com]

Sent: Wednesday, March 18, 2009 1:17 PM

To: Robbins, H. Bruce

Subject: Chiller Grant Money Request

Hello Bruce,

The following is the breakdown per your request:

- New chiller cost \$145,000.00.
 Cost of installation including tower, piping, pumps, and labor \$328,000.00.
- 3.) McQuay chiller model no. WMC290D.
- 4.) Nominal cooling capacity 235 tons.

If you have any questions, please feel free to contact me.

Respectfully,

Kim N. Sherman, President McDonough Mechanical Services, Inc. 4081 Joseph Drive Waukegan, IL 60087

Phone: (847) 244-7451 Fax:

(847) 244-7521 Email:

kims@mcdonoughmech.com www.mcdonoughmech.com

HVAC Incentive Worksheet

Salamon Ass.			
		14 SEER	\$15.00
	< 65,000 Btult (5.4 tons)	15 SEER	\$30,00
Unitary and Split Air Conditioning	≥65,000 Bash and <240,000 Bash	11.5 EER/11.9 IPLV	\$15.00
Systems and Air Source Heat	(5.5-20 tons)	12 EER/12.4 IPŁV	\$30.00
Ptimps	240,000 Bitch and <760,000 Bitch	10.5 EER/10.9 IPLV	\$15.00
-	(21-63 (cns)	10.8 EER/12.0 IPLV	\$30.00
	≥760,000 Btuh (>	9.7 EER/11.0 IPLV	\$15.00
	63 tons)	10.2 EER/11.0 IPLV	\$30.00
Water-Cooled Chillers		Level 1 (see specifications)	\$20.00
Tracti-Cowe Cadles	ALÎ. 🔽	Level 2 (see specifications)	\$40.00
Air-Cooled Chillers	ALL	1.04 kW/ton-IPLV	\$30.00
Room Air Conditioners		Level 1 (see specifications)	\$30.00
woom wie Conditionell	ALL	Level 2 (see specifications)	\$50.00
PTAC	ALL	13.08-(0.2556 x Blub/1000) EBR	\$30.00

www.cooledchile.	McOlay WMC280		0.0000	2004 15 75 57 91	40	\$11,600.00
			5 8 7 9 5 7 5 7 5 8			50.00
						\$0.00
						50.60
						\$0.00
			142 / 14 / 19 / 19			\$0.00
						\$0.00
Total*		a gajat kaalaa				\$11,600.00

	\$50	\$0.00
	\$50	\$0.00
	\$50	50.00
Total		\$8.00

Unit efficiency for chillers should be provided in kW per ton – IPLV. Unit efficiency for ac units less than 65,000 Brus should be provided in SEBR. Unit efficiency be provided in EER.
 IPLV- Integrated Part Load Value
 Intentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

APPENDIX A: APPLICATION FOR STANDARD AND CUSTOM INCENTIVE PROGRAMS

Applying for incentives from Ameren or ComEd and DCEO for same energy efficiency measure is prohibited.

Americans and Section 1997	Pre-approval	The second secon	Final Application	1	
Name of Applicant	Lake Čouniy Illinois,				
Name as it Appears on Your Utility Bill	lala (nu	36 1	Jail F. Carr	farent	Public Entity Type:
Name of Contact Person Bruce	Robbias		Title Facili-	es Maries	(Check One)
Telephone # 847-377-8041			Fax# \$47-30	60 636	Local govt.
Emati Address hoobling of	alee envete ils	eav.			K-12 School
	1010 Grand Ave				Community College
City, State, Zip+4 (Measures Installed)	Waukegan, III: 60085				University
Mailing Address					State Agency
City, State, Zip+4 (Mailing Address)					Federal Agency
Account Number (Where Measures Installed)	SESSEOLY	E	ectric Utility Company	GonEd	
Taxpayer ID Number (SSN / FERN) 36-6	.00.6600 =		ax Status (Individual, Partnershi) rp. Exempt)		
أمليني من	-15-13-0 (6)				
	Foudu	C	ontractor Phone # 847	-431-756c	
	Massions	n et			
	Algonger		1. WE Prosine	a de	**************************************
	-1 0			5774	
Complete this form along with the ap-	rancista forme in	\ mmondin	es R and C		e e

Applicant means (i) a unit of local, state and federal government, (ii) public school district, (iii) public community college district, or (iv) public college or university proposing an electrical energy efficiency project in Illinois that receives electric delivery service from Ameren or ComEd wires regardless of which retail electric supplier the applicant has chosen to purchase power from.

Incentive** Total \$11,600.00

Total Project Cost \$473,000

** Incentive Cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

Chille 145,000 00 Chille 145,000 00 00 00 00 00

PUBLIC SECTOR ELECTRIC EFFICIENCY PROGRAM

APPLICATION AND WORKSHEETS FOR STANDARD INCENTIVE PROGRAMS



PROGRAM CONTACT INFORMATION

For additional information on the DCEO Standard and Custom Incentive Programs under the Public Sector Electric Efficiency Program:

Visit our website at www.illinoisenergy.org

or

Phone: 217/785-2863 (TDD: 217/785-6055)

or

Email us at illinois.energy@illinois.gov

An on-line application system is available for DCEO applicants in the ComEd Electric service territory at: www.ComEd.com

Paper applications may be mailed or delivered to DCEO's program office:

Illinois Department of Commerce and Economic Opportunity
Bureau of Energy and Recycling
Attn: PSEE
620 East Adams Street
Springfield, IL 62701

or faxed: 217/785-2618

or submitted electronically: illinois.energy@illinois.gov

APPENDIX A: APPLICATION FOR STANDARD AND CUSTOM INCENTIVE PROGRAMS

Applying for incentives from Ameren or ComEd and DCEO for same energy efficiency measure is prohibited.

	Pre-approval	 Final Application 		
Name of Applicant	Lake County Illinois			
Name as it Appears on Your Utility Bill	County of Lake - Facilities O	pearations		Public Entity Type:
Name of Contact Person	Chris Kutchin	Title	Administrative Assistant	(Check One)
Telephone#	847-377-2987	Fax#	847-984-5980	Lócal govt.
Email Address	ckutchin@lakecountyil.gov			K-12 School
Address Where Measures Installed	500 W. Winchester Rd.			Community College
City, State, Zip+4 (Measures Installed)	Libertyville, IL 60048			University
Mailing Address	18 N. County St., Room 105			State Agency
City, State, Zip+4 (Mailing Address)	Waukegan, IL 60085			Federal Agency
Account Number (Where Measures Installed)	272313	37051 Electric Utility Company	ComEd	
Taxpayer ID Number (SSN / FEIN)	36-6006600	Tax Status (Individual, Partnershi Corp, Exempt)	P, Exempt	
Contracting Company	Mortenson Construction			-
Contractor Contact Name	Neil Wisker	Contractor Phone #	847-489-3449	
Contractor Email	neil.wisker@mortenson.com		jejpelja (15 vita se jej 15 p	
Contractor Address	25 Northwest Point Blvd., Su	uite 100, Elk Grove Village, IL 6000	7	7 . 2 .

Complete this form along with the appropriate forms in Appendices B and C.

*Applicant means (i) a unit of local, state and federal government, (ii) public school district, (iii) public community college district, or (iv) public college or university proposing an electrical energy efficiency project in Illinois that receives electric delivery service from Ameren or ComEd wires regardless of which retail electric supplier the applicant has chosen to purchase power from.

 Incentive** Total
 \$12,492.00

 Total Project Cost
 \$181,769.00

^{**} Incentive Cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

APPLICANT CERTIFICATIONS FOR STANDARD AND CUSTOM INCENTIVE PROGRAMS

Applicant hereby certifies that:

- The project receives electric delivery service from Ameren Illinois or ComEd. A copy of the electric utility bill or other documentation must be submitted with this Application.
- All authorizations required to perform the project, described in its application, have either been obtained or will be obtained no later than 90 days following the grant beginning date set forth in the Notice of Grant Award issued by the Department.
- The project complies with all applicable state, federal, and local environmental and zoning laws, ordinances, and regulations and that all required licenses, permits, etc., have either been obtained or will be obtained no later than 90 days following an award by DCEO.
- It is not in violation of the prohibitions against bribery of any officer or employee of the state of Illinois as set forth in 30 ILCS 505/10.1.
- It has not been barred from contracting with a unit of state or local government as a result of a violation of Section 33E-3 or 33E-4 of the Criminal Code of 1961 (720 ILCS 5/33 E-3 and 5/33 E-4).
- It is not in violation of the Educational Loan Default Act (5 ILCS 385/3).
- I understand that the State Finance Act, 30 ILCS 105/30 may apply and that payments under this incentive program are contingent upon the existence of a valid appropriation, and that no officer, institution, department, board or commission shall contract any indebtedness on behalf of the State, or assume to bind the State in an amount in excess of the money appropriated, unless expressly authorized by law.
- I understand that the Illinois Prevailing Wage Act (820 ILCS 130/0.01) may apply and that Grantees are responsible for determining if their projects will trigger compliance.
- As of the submittal date, the information provided in its application is accurate, and the individuals signing below are authorized to submit this application.

	Mala
Authorized Official (signature*)	Project Mahager (signature)
	MATTHEW & GUARNERY
Typed/Printed Name	Typed/Printed Name
	Construction MNGR 3/24/0
Title Date	Title Date
Authorized Signature Address	
Authorized Signature City, 9 Digit Zip	
Authorized Signature E-mail address	· .
<u>.</u>	
*Electronic Signatures not acceptable. Please sup	

Lighting Incentive Worksheet

Lighting I	ncentive World	ksheet			_	
Equipment Type	Incentive	Unit	# of Units	Incentive Subtotal		
Compact More exemed approvement					İ	
15 W or Less	\$1.50	Lamp	1.1	\$0.00	ĺ	
16 W - 26 W	. \$1.50	Lamp		\$0.00	i	
27 W or Greater	\$2.00	Lamp		\$0.00		
Reference (Compact Chief escentificance)					1	
29 W or Less	\$25.00	Fixture	p.i	\$0.00		
30 W or Greater	\$50.00	Fixture	į.	\$0.00		
Germanentilsamp (Kempyal) - 2 semprayak applicación és elliments.						
Remove 4-foot lamp	\$6.00	Lamp	j.	\$0.00		
Remove 8-foot lamp	\$8.00	Lamp	E 1	\$0.00		
Remove 4-foot lamp with reflector	\$12.00	Lamp	š.	\$0.00	ŧ	
Remove 8-foot lamp with reflector	\$16.00	Lamp	\$.^*	\$0.00	İ	
Dent Communicated Constant					ĺ	
4-foot lamp and ballast	\$7.00	Lamp		\$0.00	1	
Retrocal Witting (GRENI) and					1	
4-foot lamp and ballast	\$7.00	Lamp		\$0.00	1	
4-foot lamp only	\$1.00	Lamp	** ·	\$0.00		
Renorda Wateage Relient Re						
8-foot and ballast	\$10,00	Lamp		\$0.00	1	
8-foot lamp only	\$1.00	Lamp	3	\$0.00		
viere DE Trings (Duise Service Committee (Committee Committee Committee Committee Committee Committee Committee						
100 W or Less	\$20,00	Fixture	ir.	\$0.00	1	
101 W - 200 W	\$35,00	Fixture		\$0,00	1	
201 W - 350 W	\$40.00	Fixture	: :	\$0.00	1	
Affice alone						
Cold Cathode	\$3,00	Lamp		\$0.00	1	
Great Control of the						
LED, T-1, or Electroluminescent	\$22,00	Signs	23	\$506,00	1	
Quintels to the second of the	and the second second		Valle objects			
Occupancy Sensors	\$0.10	Connected Watts	A. A. D. P. G. G. G. H. H. H. H. H. H. H. H. H. H. H. H. H.	\$1,186.10	1	
ye re Highley imogeste objective window proved where		Controlled	11.001	\$1,100.10		
ing Hambards (man) – Procupers alter distance in the control	and the second contract		A Street meets		archies au constant	Distribution of
Total Existing Fixture Watts less Total New Fixture Watts	\$0.40	Connected Watt	0	\$0.00		
Total Existing Fixture Watts less Total New Fixture Watts	\$0.40	Reduction Connected Watt		 	pace 100 page 100 page 100 page 100 page 100 page 100 page 100 page 100 page 100 page 100 page 100 page 100 pa	915055773300557366
		Reduction Connected Watt	0	\$0.00		NAMES AND ASSOCIATION OF THE STREET, THE S
Total Existing Fixture Watts less Total New Fixture Watts	\$0.40	Reduction	0	\$0.00		
IED fruits sensimmentes		100000				
HD St. at the except specified in the family is to a differential of the specified of the s						
and P. Chemicalistic width. The constitution of the constitution o						
8" Traffic LED Signal Head	\$75	Module		60.00	Š	
12" Traffic LED Signal Head	\$90	Module	10 m	\$0.00	4	
8" Arrow LED Module	\$20	Module	1 ² 3	\$0.00	-1	
12" Arrow LED Module	\$35	Module	1.	\$0.00	4	-
8"-9" Pedestrian LED Module	\$30	Module	E ¹	\$0.00	4	
12" Pedestrian LED Module				\$0.00	4	
	\$35	Module		\$0.00	4	
16"x18" Pedestrian Combo	\$35	Module		\$0.00	4	•
Total*		<u> </u>	<u> </u>	\$1,692.10	J	

^{*} Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost

Lighting Specifications

All lighting projects are expected to comply with the Illuminating Engineering Society of North America (IESNA) recommended lighting levels or the local code.

Compact Fluorescent Lamps (Screw-in)

This incentive applies to screw-in compact fluorescent lamps (CFLs) and applies only if an incandescent or high intensity discharge (HID) lamp is being replaced. All screw-in CFLs must be ENERGY STAR®-rated. The lamp/ballast combination must have an efficacy of ≥ 0 lumens per Watt (LPW). For screw-in CFLs, electronic ballasts are required for lamps ≥ 8 Watts.

Hardwired Compact Fluorescent Fixtures

For hardwired CFL fixtures, only complete new fixtures or modular hardwired retrofits with hardwired electronic ballasts qualify. The CFL ballast must be programmed start or programmed rapid start with a power factor (PF) ≥ 0 and a total harmonic distortion (THD) $\leq 0.0\%$

Permanent Lamp Removal

Incentives are paid for the permanent removal of existing fluorescent lamps. Customers are responsible for determining whether or not to use reflectors in combination with lamp removal in order to maintain adequate lighting levels. Lighting levels are expected to meet the Illuminating Engineering Society of North America (IESNA) recommended light levels. Unused lamps, lamp holders, and ballasts must be permanently removed from the fixture and disposed of in accordance with local regulations. This measure is applicable when retrofitting from T12 lamps to T8 lamps or reconfiguring a T8 fixture to reduce the number of lamps. Removing lamps from a T12 fixture that is not being retrofitted with T8 lamps are not eligible for this incentive. A **Pre-approval Application is required** for lamp removal projects in order for DCEO to conduct a pre-retrofit inspection.

High Performance 4-foot T8 Lamps and Ballast

This measure consists of replacing existing T12 lamps and magnetic ballasts with high performance T8 lamps and electronic ballasts. This measure is based on the Consortium for Energy Efficiency (CEE) high performance T8 specification (www.ceel.org/ and is summarized below. A list of qualified lamps and ballasts can be found at: http://www.ceel.org/com/com-lt/com-lt-main.php3. Both the lamp and ballast must meet the specification in order to qualify for an incentive. Incentives for this measure are calculated per lamp installed. A manufacturer's specification sheet must accompany the application.

«Centormance on arabidaspes for system	16						
		≥ 90 Mean Lumens _I	per Watt (MLPW) for Instant Start	Ballasts			
Mean System Efficacy		≥ 88 MLPW fo	or Programmed Rapid Start Ballas	ts			
Përformance/Characlerishes for Lamps							
Color Rendering Index (CRI)		terminal control of the control of t	≥ 80				
Minimum Initial Lamp Lumens			≥ 3100 Lumens				
Lamp Life			≥ 24,000 hours				
Lumen Maintenance or			≥ 90% or				
Minimum Mean Lumens			≥ 2,900 Mean Lumens				
#Certonmanoe/Gharaderistics/forEallas			and the second s				
	Instant-Start Ballast (BEF)						
[Lamps	Low BF ≤ 0.85	Norm 0.85 < BF ≤ 1.0	High BF ≥ 1.01			
	1	> 3.08	> 3.11	NA			
	2	> 1.60	> 1.58	>1.55			
Ballast Efficacy Factor (BEF)	3	≥1.04	≥ 1.05	≥ 1.04			
·	4	≥ 0.79	≥ 0.80	≥ 0.77			
BEF = (BF x 100) / Ballast Input Watts		Programn	ned Rapid Start Ballast (BEF)				
	1	≥ 2.84	≥ 2.84	NA			
	2	≥1.48	≥ 1.47	≥ 1.51			
	3	≥0.97	≥ 1.00	≥ 1.00			
	4	≥0.76	≥ 0.75	≥ 0.75			
Ballast Frequency		. 20) to 33 kHz or ≥ 40 kHz				
Power Factor			≥ 0.90				
Total Harmonic Distortion			≤20%				

¹ This website contains a list of eligible components

nended

rge efficacy

. The HD)

or not to et the

2 lamp

asts.
s
oth the







1.01

A .51

.00 .75 Reduced Wattage 4-foot T8

Incentives are available for replacing T12 or T8 systems with reduced wattage lamp and electronic ballast systems. The lamps and ballasts must meet the Consortium for Energy Efficiency (CEE) specification (www.cee1.org). Qualified lamps and ballast products can be found at http://www.cee1.org/com/com-lt/com-lt-main.php3. Both the lamp and ballast must qualify in order to receive an incentive for the system. The mean system efficacy must be ≥90 MLPW, CRI ≥80, and lumen maintenance at 94%. A manufacturer's specification sheet must accompany the application.

Incentives are also available for when replacing 32 Watt T8 lamps with reduced wattage T8 lamps when an electronic ballast is already present. The lamps must be reduced wattage in accordance with the Consortium for Energy Efficiency (CEE) specification (www.cee1.org/com/com-lt/com-lt-main.php3. The nominal wattage must be 28W (\$\geq\$585 Lumens) or 25W (\$\geq\$400 Lumens) to qualify.

Reduced Wattage 8-foot T8

This measure is for the replacement of existing T12 lamps and magnetic ballasts with reduced wattage 8-foot T8 lamps and electronic ballasts. Lamps must have a minimum MLPW of 90 and must have a nominal wattage of less than 57W. A manufacturer's specification sheet must accompany the application. Incentives are also available for replacing 59 Watt T8 lamps with reduced wattage 8-foot T8 lamps. Lamps must have a minimum MLPW of 90 and must have a nominal wattage of less than 57W. The incentive level is calculated on a per lamp basis and ballast replacement is not necessary. A manufacturer's specification sheet must accompany the application.

Metal Halide Fixtures - Pulse Start or Ceramic

This incentive applies to retrofits of high intensity discharge fixtures with either pulse start metal halide or ceramic metal halide fixtures. Total replacement wattage must be lower than existing wattage to insure energy savings. This measure is subject to possible pre-inspection. Retrofit kits may be used on existing Mercury Vapor, Standard Metal Halide or High Pressure Sodium Fixtures only.

Cathode

All Cold Cathode Fluorescent lamps (CCFLs) must replace incandescent lamps of greater than or equal to 10 Watts and not greater than 40 Watts. Cold cathode lamps may be medium (Edison) or candelabra base. Product must be rated for at least 18,000 average life hours.

Exit Signs

High-efficiency exit signs must replace or retrofit an existing incandescent exit sign. Electroluminescent, photoluminescent, T1 and light-emitting diode (LED) exit signs are eligible under this category. Non-electrified and remote exit signs are not eligible. All new exit signs or retrofit exit signs must be UL or ETL listed, have a minimum lifetime of 10 years, and have an input wattage ≤ Watts or be ENERGY STAR qualified.

Controls

Passive infrared, ultrasonic detectors and fixture-integrated sensors or sensors with a combination thereof are eligible. All sensors must be hard-wired and control interior lighting fixtures. The incentive is per Watt controlled. To assist in rebate processing, please provide the inventory of the controlled fixtures with the Final Application.

New T8/T5 Highbay Fluorescent Fixtures with electronic ballast (Example-Highbay Fixtures)

This measure consists of replacing one or more existing fixtures with new fixtures containing T8 or T5 lamps and electronic ballasts. The T8 or T5 lamps must have a color rendering index (CRI) \geq 80. The electronic ballast must be high frequency (\geq 0 kHz), UL listed, and warranted against defects for 5 years. Ballasts must have a power factor (PF) \geq 0.90. Ballasts for 4-foot lamps must have total harmonic distortion (THD) \leq 0% at full light output. For 2- and 3-foot lamps, ballasts must have THD \leq 2% at full light output. High output T5/T8 lamps also qualify for this rebate. This incentive can be used in highbay and lowbay fluorescent applications.

Incentives for this measure are calculated based on the reduction in connected watts. A Pre-approval Application is required for this measure in order for DCEO to conduct a pre-retrofit inspection. Specifications of the new fixtures must accompany the final application. Incentives are only available for new fixtures.

Note: PCB ballasts and lamps are hazardous materials and should be disposed of properly.

LED Traffic and Pedestrian Signals

LED traffic and pedestrian signals must replace or retrofit an existing incandescent traffic signal. Each lamp must have a maximum LED module wattage of 25. Incentives are not available for spare lights. Lights must be hardwired and single lamp replacements are not eligible, with the exception of pedestrian hand signals. The traffic signal LED modules shall fully comply with the Institute of Transportation Engineers (ITE) latest adopted specifications.

^{1, 3}This website contains a list of eligible lamps.

HVAC Incentive Worksheet

es de la legumación de pressor de la companya de la companya de la companya de la companya de la companya de l La companya de la ize success as	C. Zi saeminingensiisseniksissi	Highligation (6)	
		14 SEER	\$15.00
	< 65,000 Btuh (5.4 tons)	15 SEER	\$30.00
Totalina and Culta Atu Candida at a	≥65,000 Btuh and <240,000 Btuh	11.5 EER/11.9 IPLV	\$15.00
Initary and Split Air Conditioning Systems and Air Source Heat	(5,5-20 tons)	12 EER/12.4 IPLV	\$30.00
Pumps	≥240,000 Btuh and <760,000 Btuh	10.5 EER/10.9 IPLV	\$15.00
•	(21-63 tons)	10.8 EER/12.0 IPLV	\$30.00
	≥760,000 Btuh (>	9.7 EER/11.0 IPLV	\$15.00
	63 tons)	10.2 EER/11.0 IPLV	\$30.00
Water-Cooled Chillers		Level 1 (see specifications)	\$20.00
Water-Cooled Chiniers	ALL	Level 2 (see specifications)	\$40.00
Air-Cooled Chillers	ALL	1.04 kW/ton-IPLV	\$30.00
Daam Ala Candidianam		Level 1 (see specifications)	\$30.00
Room Air Conditioners	ALL	Level 2 (see specifications)	\$50.00
PTAC	ALL	13.08-(0.2556 x Btul/1000) EER	\$30.00

Lydomena Type	S. M. R. Will Middel	s knij kliničny il	Alaide Si Zentions (Gringly	en Grande Gerien	(2.46-0) In Contra
Water-cooled chillers	York YR	0:506	270	2	20	\$10,800.00
						\$0.00
A CHROSTORY CONTROL STORY		3 - 840 200 300 300 100 100 100 100 100 100 100 1			nerata tra	\$0.00
						\$0.00
						\$0.00
ar una consideración de la		DESCRIPTION CONTRACTOR	91823.000.000.000.000.000.000		200000000000000000000000000000000000000	\$0.00
					Salangan Sala	\$0.00
Total				Valuation in the		\$10,800.00

Varianste-Speechbisve-on-tal/Affartoires \$50 Per horsepower

Total		\$0.00
	\$50	\$0.00
	\$50	\$0.00
	\$50	\$0.00
and application become	CASD SIGNARD COMMENT OF THE STREET OF THE ST	invertieve

^{*} Unit efficiency for chillers should be provided in kW per ton -- IPLV. Unit efficiency for ac units less than 65,000 Btuh should be provided in SEER. Unit efficiency for all other equipment should be provided in EER.

IPLV= Integrated Part Load Value

[&]quot;Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

Specifications for HVAC Measures

Unitary and Split Air Conditioning Systems and Air Source Heat Pumps

New unitary air conditioning units or air source heat pumps that meet or exceed the qualifying cooling efficiency shown in the HVAC Incentive Worksheet Table are eligible for an incentive. They can be either split systems or single package units. The efficiency of split systems is based on an ARI reference number. Water-cooled systems, evaporative coolers, and water source heat pumps do not qualify under this program, but may qualify under the Custom Incentive Program. All packaged and split system cooling equipment must meet Air Conditioning and Refrigeration Institute (ARI) standards (210/240, 320 or 340/360), be UL listed, use a minimum ozone-depleting refrigerant (e.g., HCFC or HFC). All required efficiencies are based on the Consortium for Energy Efficiency (CEE) high efficiency commercial air conditioning and heat pump specifications (www.ceel.org). A manufacturer's specification sheet indicating the system efficiency must accompany the application. Disposal of the existing unit must comply with local codes and ordinances.

Water- and Air-cooled Chillers

Chillers are eligible for an incentive if they have a rated kW/ton for the Integrated Part Load Value (IPLV) that is less than or equal to the qualifying Level 1 and Level 2 efficiency shown in the table below. The chiller efficiency rating must be based on ARI Standard 550/590-2003 for IPLV conditions and not based on full-load conditions. The chillers must meet ARI standards 550/590-2003, be UL listed, and use a minimum ozone-depleting refrigerant (e.g., HCFC or HFC). The ARI net capacity value should be used to determine the chiller tons. A manufacturer specification sheet with the rated kW/Ton-IPLV or COP-IPLV must accompany the application. Qualifying efficiencies for chillers are summarized below.

SECTION OF THE SECTIO		December 1	
	< 150	0.61	0.54
Scroll or Helical-Rotary	150 to 300	0.57	0.50
•	>= 300	0.51	0.46
	< 150	0.60	0.54
Centrifugal	150 to 300	0.54	0.48
	>= 300	0.49	0.44
Reciprocating	ALL	0.63	0.56
Air-Cooled	ALL	1.04	NA

Room Air Conditioners

Room air conditioning units are through-the-wall (or built-in) self-contained units that are 2 tons or less. There are two eligible efficiency levels as listed by the Consortium for Energy Efficiency. A unit can either qualify under ENERGY STAR standards or under Super Efficient Home Appliance (SEHA) Tier 1 standards. The minimum requirements and eligible equipment are listed Consortium for Energy Efficiency (CEE) high efficiency room air conditioning specifications (www.cee1.org)². These units are with and without louvered sides, without reverse cycle (i.e., heating), and casement. The qualifying efficiencies for both levels are provided below. Disposal of existing unit must comply with local codes and ordinances.

	Leveld as	Level 2
Sizer(Stub), 2 - 24, com.	X-2000 BUBICONS MARKERRY	SBHARBERF(ERR)
< 8,000	10.7	11.2
8000 to 13,999	10.8	11.3
14,000 to 19,999	10.7	11.2
>= 20,000	9.4	9.8

Package Terminal AC and Heat Pump Units (PTAC/PTHP)

Package terminal air conditioners and heat pumps are through-the-wall self contained units that are 2 tons (24,000 Btuh) or less. Only units that have an EER greater than or equal to 13.08 – (0.2556 * Capacity / 1000), where capacity is in Btuh, qualify for the incentive. All EER values must be rated at 95 °F outdoor dry-bulb temperature.

Variable Speed Drives on HVAC Motors

Variable-speed drives (VSDs) which are installed on existing chillers, HVAC fans, or HVAC pumps are eligible for this incentive. New chillers with integrated VSDs are eligible under the chiller incentive. The installation of a VSD must accompany the permanent removal or disabling of any throttling devices such as inlet vanes, bypass dampers, and throttling valves. VSDs for non-HVAC applications may be eligible for a custom incentive.

¹ This website also has a list of eligible systems.

² This website also has a list of eligible units.

Refrigeration Incentive Worksheet

Ratagaration/Moastires			
en en en en en en en en en en en en en e		tinverniya (opina)	- Orienta
Strip Curtains on Walk-Ins	Per Square Foot	\$4.00	\$0.00
Anti-Sweat Heater Control	Per Linear Foot	\$30.00	\$0.00
EC Motor for Walk-in	Per Motor	\$50,00	\$0.00
EC Motor for Reach-in	Per Motor	\$35.00	\$0.00
Evaporative Fan Control	Per Motor	\$60.00	\$0.00
Automatic Door Closers for Walk-in Freezers	Per Door	\$160.00	\$0.00
Beverage Machine Control	Per Unit	\$100.00	\$0.00
ENERGY STAR Vending Machine	Per Unit	\$100.00	\$0.00
Snack Machine Control	Per Unit	\$30.00	\$0.00
Total T	Ger Paker sed		\$0.00

High Billistene, the Arakers				
Ser Arcons 2000 pc		Salanja 1		Hittories.
101-200	8.5		\$100.00	\$0.00
201-300	7.7		\$150.00	\$0.00
301-400	6.5		\$200.00	\$0.00
401-500	5.5		\$200.00	\$0.00
501-1000	5.2		\$300.00	\$0.00
1001-1500	5		\$400.00	\$0.00
>1500	4.6		\$400.00	\$0.00
Total **				\$0.00

^{**} Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

Specifications for Refrigeration Measures

Strip Curtains on Walk-in Coolers and Freezers

New strip curtains or clear plastic swinging doors must be installed on doorways of walk-in boxes and refrigerated warehouses. This incentive is not available for display cases or replacing existing strip curtains that have useful life left. A pre-inspection may be performed. Incentive is based on square footage of doorway.

Anti-Sweat Heater Controls

For this measure, a device is installed that senses the relative humidity in the air outside of the display case and reduces or turns off the glass door (if applicable) and frame anti-sweat heaters at low-humidity conditions. Technologies that can turn off anti-sweat heaters based on sensing condensation (on the inner glass pane) also qualify. Rebate is based on the total linear footage of the case.

Electrically Commutated Evaporator Fan Motor (Refrigerated Cases or Walk-ins)

This measure is applicable to the replacement of an existing standard-efficiency shaded-pole evaporator fan motor in refrigerated display cases or fan coil in walk-ins. The replacement unit must be an Electronically Commutated Motor (ECM). This measure cannot be used in conjunction with the Evaporator Fan Controller measure.

Evaporative Fan Controls

This measure is for the installation of controls in medium temperature walk-in coolers. The controller reduces airflow of the evaporator fans when there is no refrigerant flow. The measure must control a minimum of 1/20 HP where fans operate continuously at full speed. The measure also must reduce fan motor power by at least 75% during the off cycle.

This measure is not applicable if any of the following conditions apply:

- 1) The compressor runs all the time with high duty cycle
- 2) The evaporator fan does not run at full speed all the time
- 3) The evaporator fan motor runs on poly-phase power
- 4) The evaporator fan motor is not shaded-pole or permanent split capacitor (PSC)
- 5) Evaporator does not use off-cycle or time-off defrost.

Automatic Door Closer for Walk-in Freezers

This measure is for installing an auto-closer to the main insulated opaque door(s) of a walk-in freezer. The auto-closer must firmly close the door when it is within one inch of full closure.

Beverage Machine Control

The beverage machine is assumed to be a refrigerated vending machine that contains only non-perishable bottled and canned beverages. Controller for both types of systems must include a passive infrared occupancy sensor to turn off fluorescent lights and other vending machine systems when the surrounding area is unoccupied for 15 minutes or longer. For the beverage machine, the control logic should power up the machine at 2-hour intervals to maintain product temperature and provide compressor protection.

ENERGY STAR® Refrigerated Beverage Vending Machine

ENERGY STAR beverage vending machines qualify for an incentive. Qualifying machines can be found at http://www.energystar.gov/ia/products/prod_lists/vending machines prod_list.pdf.

High-Efficiency Ice Makers

The rebate covers ice machines that generate 60 grams (2 oz.) or lighter ice cubes, flaked, crushed, or fragmented ice. Only air-cooled machines qualify (self contained, ice making heads, or remote condensing). The machine must have a minimum capacity of 101 lbs of ice per 24-hour period (per day). The minimum efficiency required is per ENERGY STAR or CEE Tier 2¹. A manufacturer's specification sheet must accompany the application that shows rating in accordance to ARI standard 810.

The websites have a list of qualifying model numbers, www.energystar.gov or www.ceel.org.

Motors Incentive Worksheet

A CONTRACTOR OF THE PROPERTY O	lotors and	ACTION TO MODEL OF THE ACTION	Mary 4. The Control of				
Street, Astronomical cases		PROGRAMMENT STREET, ST				-	
	00				Tanna	(PVI)	invenus o
The Box		0.00				literi	Stron
1	77.00%	77.00%	85.50%	85.50%	82.50%	82.50%	. \$7.00
1.5	84.00%	84.00%	86.50%	86.50%	86.50%	87.50%	\$9.00
2	85,50%	85,50%	86.50%	86.50%	87.50%	88.50%	\$11.00
3	85.50%	86.50%	89.50%	89.50%	88.50%	89.50%	\$16.00
5	86.50%	88.50%	89.50%	- 89.50%	89.50%	89.50%	\$20.00
7.5	88.50%	89.50%	91.00%	91.70%	90.20%	91.00%	\$35.00
· 10	89.50%	90,20%	91.70%	91.70%	91.00%	91.00%	\$45.00
15	90.20%	91.00%	93.00%	92.40%	91.70%	91.70%	\$60.00
20	91.00%	91.00%	93.00%	93.00%	92.40%	91.70%	\$75,00
25	91.70%	91.70%	93.60%	93.60%	93.00%	93.00%	\$80.00
30 .	91.70%	91.70%	94.10%	93.60%	93.60%	93.00%	\$90.00
40	92.40%	92.40%	94.10%	94.10%	94.10%	94.10%	\$100.00
50	93.00%	93.00%	94,50%	94.50%	94,10%	94.10%	\$125.00
60	93.60%	93.60%	95.00%	95.00%	94.50%	94.50%	\$150.00
75	93.60%	93.60%	95.00%	95.40%	94.50%	94.50%	\$175.00
100	93.60%	94.10%	95.40%	95.40%	95.00%	95.00%	\$250.00
125	94.10%	95.00%	95.40%	95.40%	95.00%	95.00%	\$275,00
150	94.10%	95.00%	95.80%	95.80%	95.40%	95.80%	\$325.00
200	95.00%	95.40%	95.80%	96.20%	95.40%	95.80%	\$450.00

		G(0 - 2801) 1	70 4 5	903000	70 (5) (5)			1116-1170-
ACOUNTED COMMEN		0.0000000000000000000000000000000000000	reguesta esta					(in the Pi Subject (Ollongs)
		Military Military Military	Essential consistence (Co	enconstitution of pa	processing and the second			e o
			A 100 C 100				0	\$0
			ive diplomation				0 .	\$0 .
	endickera in					mestatti ek	0	\$0
				e dama i			0	\$0
				30,000,000			0	\$0
				557 (24, 1555,00) 13	drawn serv		0	\$0
					Senigo autor		0	\$0
Total*			Se taking e			The Market		\$0

Specifications for Premium Motors

Motors eligible for an incentive are three-phase AC induction motors, 1-200 HP, of open drip-proof (open) and totally enclosed fan-cooled (closed) classifications. Rewound motors do not qualify. Incentives are based on the motor's Nominal Full Load Efficiencies, tested in accordance with IEEE (Institute of Electrical and Electronics Engineers) Standard 112, method B, that meet or exceed the NEMA premium efficiency standards on the Motors Incentive Worksheet. The application must include the manufacturer's performance data sheet that at least shows equipment type, equipment size, model number, and efficiency rating. Customers should consider matching RPMs of the existing pump or fan when installing energy efficient motors that inherently have higher speeds (less slip), which may affect electric energy use.

^{**} Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

Specifications for Premium Motors

Motors eligible for an incentive are three-phase AC induction motors, 1-200 HP, of open drip-proof (open) and totally enclosed fan-cooled (closed) classifications. Rewound motors do not qualify. Incentives are based on the motor's Nominal Full Load Efficiencies, tested in accordance with IEEE (Institute of Electrical and Electronics Engineers) Standard 112, method B, that meet or exceed the NEMA premium efficiency standards on the Motors Incentive Worksheet. The application must include the manufacturer's performance data sheet that at least shows equipment type, equipment size, model number, and efficiency rating. Customers should consider matching RPMs of the existing pump or fan when installing energy efficient motors that inherently have higher speeds (less slip), which may affect electric energy use.

**Incentive cannot exceed 100 percent of the incremental measure cost and 50 percent of total project cost.

Total Standard Incentive

Total Incentive	\$12,492
Motors	\$0
Refrigeration	\$0
HVAC	\$10,800
Lighting	\$1,692

Inventory of Fixtures Controlled by Occupancy Sensors

Fixture Tag	Type of Fixture	Fixture Wattage	Number of Fixtures				
F1A	2'x2' 2-lamp T8	34	138				
F2	2'x2' 2-lamp T5HO	36	40				
F4	2'x4' 2-lamp T8	56	28				
F5	2'x4' 3-lamp T8	56	3				
F9	4' 2-lamp T8	55	26				
F14	4' 1-lamp T5HO	56	23				
F14A	3' 1-lamp T5HO	41	6				
F15	32W-TRT	35	21				
F16	32W-TRT	39	5				
F19D	26W-TRT	33	3				
Total Controlled Wattage:							

Total Wattage for all Fixtures

4,692

1,440

1,568

168

1,430 1,288

246

735

195

99

11,861