



ENERGY SAVINGS FOR BUSINESS

Investing to keep businesses competitive



Measures List

February 24, 2021
Version 2.0



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MEASURE SUMMARY

Motors and Drives	Lighting Controls
VFD for Fan or Pump Motor	Daylight Controls
Premium Efficient Motor – ODP	Occupancy Controls
Premium Efficient Motor – TEFC	Bi-Level Control
Notched or Synchronous Belt Retrofits	Onsite Generation
Compressed Air	Solar PV
VSD Air Compressor	Combined Heat & Power
Zero Loss Drain	Geothermal
Nozzles	Ground Source Heat Pump
Compressed Air Storage	HVAC
Cycling or Thermal Mass Refrigerated Dryer	Condensing Boilers
Desiccant Dryer Dewpoint Demand Controls	Condensing Unit Heaters
Low Pressure Drop Filter	Boiler and Heater Controls
Refrigeration	High Efficiency Furnaces
Anti-Sweat Heater Controls	Chillers
Automatic Door Closer	Roof-Top Units
Evaporator Fan Control	Condensing Make-Up Air Unit
Night Covers	Heat and Energy Recovery Ventilators
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Lighting Systems	Destratification Fans
Downlight Fixtures and Retrofit Kits	HVAC Pipe Insulation
LED Exit Signs	Packaged Terminal Heat Pumps
Troffer Fixtures and Kits	Process Heating
Refrigerated Case Lighting LED	Steam Traps
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Accent or Track Lighting	Steam Fittings and Pipe Insulation
Linear LED Fixture Replacement or Retrofit	Water Heating
Bay LED Fixture	Condensing Storage Tank Water Heater
Building Envelope and Windows	Condensing Tankless Water Heater
Air Curtains and Door Dock Seals	Water Heater Jacket
Ceiling and Wall Insulation	COMING SOON
High Efficiency Windows	Food Service
	Pump Jack Controller

ABOUT THE PROGRAM

Emissions Reduction Alberta's (ERA) Energy Savings for Business (ESB) Program is a funding opportunity to support small- and medium-scale industrial and commercial businesses with a budget of up to \$55 million to support cost-saving and emissions reducing projects. The Program will help Alberta businesses reduce emissions, decrease operating costs, grow their operations and become more competitive, while creating skilled jobs and boosting economic recovery.

A wide range of incentives are available to help Alberta businesses reduce the initial cost of installing high efficiency equipment and emissions reduction technologies. This document represents the detailed list of emission reducing technologies, or "Measures", that qualify for participant incentives. Incentives are available for equipment upgrades and installations that include:

- Motors & Drives
 - Compressed Air
 - Refrigeration
 - Lighting
 - Lighting Controls
 - Onsite Generation
 - Geothermal
 - HVAC (Added Feb. 24, 2021)
 - Process Heating (Added Feb. 24, 2021)
 - Water Heating (Added Feb. 24, 2021)
 - Building Envelope and Windows (Added Feb. 24, 2021)
- Coming Soon
- Food Service
 - Pump Jack Controller

Incentives for the Eligible Measures listed in this document are based either on size, quantity, capacity, or a metric of energy savings. Eligible Measures are subject to specifications provided for each Measure within this document.

To register for the program as an applicant or contractor, please visit the ESB Program webpage. After you are successfully registered, you can begin applying for incentives. The ESB Application Process page on the website has more details.

For a detailed description of eligibility rules for applying for incentives under the Program, applicants are encouraged to read the Participant Terms and Conditions.

INCENTIVE CALCULATIONS

The incentive is calculated based on the lesser of the Measures List fixed value per unit and the stated incentive cap based on eligible expenses. The fixed value per unit is indicated here with the red squares in the screenshot below. The second column shows the cap on Maximum % of Eligible Expenses. This percentage sets the cap on incentives based on the total eligible expenses (what is called Project Costs in the application).

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Variable Frequency Drive (VFD) <ul style="list-style-type: none"> Motor size on which VFD is installed is between 1 to 500 hp Specification sheet to be provided 			
		Incentive value per hp	
ESB-MDZVFD-0001 to 0006	VFD <ul style="list-style-type: none"> Incentive is capped at \$12,500 	\$125	50%

In this case, for the VFD, the incentive is \$125/hp.

For example, if you are installing a VFD on a 20 HP motor, the fixed incentive amount from the Measures List would be \$2,500. This calculation is based on $\$125/\text{HP} * 20 \text{ HP} = \$2,500$

During the application, the project costs are requested, with three different components:

1. Equipment and Materials
2. Labour
3. Design and Other.

For details on the eligible expenses that align with these costs, please refer to the Participant Terms and Conditions.

	Fixed incentive amount	Total Costs	Cap on Incentive	Cap Impact on Incentive	Capped Incentive
Scenario A	$\$125/\text{HP} * 20 \text{ HP} = \$2,500$	\$6,000	\$3,000 (50% of \$6,000)	No (\$3,000 > \$2,500)	\$2,500
Scenario B	$\$125/\text{HP} * 20 \text{ HP} = \$2,500$	\$4,500	\$2,250 (50% of \$4,500)	Yes (\$2,250 < \$2,500)	\$2,250

MOTORS AND DRIVES

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Variable Frequency Drive (VFD) <ul style="list-style-type: none"> Motor size on which VFD is installed is between 1 to 500 hp Specification sheet to be provided <p style="text-align: right;">Incentive value per hp</p>			
ESB-MDZVFD-0001 to 0006	VFD <ul style="list-style-type: none"> Incentive is capped at \$12,500 	\$125	50%
Premium Efficient Motor – Open Drip Proof (ODP)/Totally Enclosed Fan Cooled (TEFC) <ul style="list-style-type: none"> Meet minimum NEMA premium efficiency guidelines Specification sheet to be provided <p style="text-align: right;">Incentive value per motor</p>			
ESB-MDZODP-0001 / ESB-MDZTEF-0001	Premium efficient motor - ODP/TEFC — 1 hp	\$15	50%
ESB-MDZODP-0002/ ESB-MDZTEF-0002	Premium efficient motor - ODP/TEFC — 1.5 hp	\$20	50%
ESB-MDZODP-0003/ ESB-MDZTEF-0003	Premium efficient motor - ODP/TEFC — 2 hp	\$30	50%
ESB-MDZODP-0004/ ESB-MDZTEF-0004	Premium efficient motor - ODP/TEFC — 3 hp	\$43	50%
ESB-MDZODP-0005/ ESB-MDZTEF-0005	Premium efficient motor - ODP/TEFC — 5 hp	\$44	50%
ESB-MDZODP-0006/ ESB-MDZTEF-0006	Premium efficient motor - ODP/TEFC — 7.5 hp	\$70	50%
ESB-MDZODP-0007/ ESB-MDZTEF-0007	Premium efficient motor - ODP/TEFC — 10 hp	\$80	50%
ESB-MDZODP-0008/ ESB-MDZTEF-0008	Premium efficient motor - ODP/TEFC — 15 hp	\$105	50%
ESB-MDZODP-0009/ ESB-MDZTEF-009	Premium efficient motor - ODP/TEFC — 20 hp	\$129	50%

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
ESB-MDZODP-0010/ ESB-MDZTEF-0010	Premium efficient motor - ODP/TEFC — 25 hp	\$157	50%
ESB-MDZODP-0011/ ESB-MDZTEF-0011	Premium efficient motor - ODP/TEFC — 30 hp	\$176	50%
ESB-MDZODP-0012/ ESB-MDZTEF-0012	Premium efficient motor - ODP/TEFC — 40 hp	\$227	50%
ESB-MDZODP-0013/ ESB-MDZTEF-0013	Premium efficient motor - ODP/TEFC — 50 hp	\$256	50%
ESB-MDZODP-0014/ ESB-MDZTEF-0014	Premium efficient motor - ODP/TEFC — 60 hp	\$343	50%
ESB-MDZODP-0015/ ESB-MDZTEF-0015	Premium efficient motor - ODP/TEFC — 75 hp	\$405	50%
ESB-MDZODP-0016/ ESB-MDZTEF-0016	Premium efficient motor - ODP/TEFC — 100 hp	\$476	50%
ESB-MDZODP-0017/ ESB-MDZTEF-0017	Premium efficient motor - ODP/TEFC — 100 hp	\$615	50%
ESB-MDZODP-0018/ ESB-MDZTEF-0018	Premium efficient motor - ODP/TEFC — 150 hp	\$642	50%
ESB-MDZODP-0019/ ESB-MDZTEF-0019	Premium efficient motor - ODP/TEFC — 200 hp	\$794	50%
ESB-MDZODP-0020/ ESB-MDZTEF-0020	Premium efficient motor - ODP/TEFC — 250 hp	\$1,068	50%
ESB-MDZODP-0021/ ESB-MDZTEF-0021	Premium efficient motor - ODP/TEFC — 300 hp	\$1,271	50%
ESB-MDZODP-0022/ ESB-MDZTEF-0022	Premium efficient motor - ODP/TEFC — 350 hp	\$1,475	50%

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
ESB-MDZODP-0023/ ESB-MDZTEF-0023	Premium efficient motor - ODP/TEFC — 400 hp	\$1,679	50%
ESB-MDZODP-0024/ ESB-MDZTEF-0024	Premium efficient motor - ODP/TEFC — 450 hp	\$1,883	50%
ESB-MDZODP-0025/ ESB-MDZTEF-0025	Premium efficient motor - ODP/TEFC — 500 hp	\$2,087	50%
<p>Notched Belt Retrofits</p> <ul style="list-style-type: none"> • Must replace a smooth V-belt • Not eligible for replacement of a notched belt • Specification sheet to be provided <p style="text-align: right;">Incentive value per belt</p>			
ESB-MDZNSB-0001	<p>Notched belt retrofits</p> <ul style="list-style-type: none"> • Length of belt less than 6 feet 	\$20	50%
ESB-MDZNSB-0002	<p>Notched belt retrofits</p> <ul style="list-style-type: none"> • Length of belt 6 feet or more 	\$40	50%

COMPRESSED AIR

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
VFD-Integrated Compressor <ul style="list-style-type: none"> To replace a fixed speed compressor of the same hp Compressor should not be a back-up. Specification sheet to be provided. <p style="text-align: right;">Incentive value per compressor</p>			
ESB-CAZVSD-0001	VFD-Integrated Compressor - 10 hp	\$1,500	50%
ESB-CAZVSD-0002	VFD-Integrated Compressor - 15 hp	\$2,250	50%
ESB-CAZVSD-0003	VFD-Integrated Compressor - 20 hp	\$3,000	50%
ESB-CAZVSD-0004	VFD-Integrated Compressor - 25 hp	\$3,750	50%
ESB-CAZVSD-0005	VFD-Integrated Compressor - 30 hp	\$4,500	50%
ESB-CAZVSD-0006	VFD-Integrated Compressor - 40 hp	\$6,000	50%
ESB-CAZVSD-0007	VFD Integrated Compressor - 50 hp	\$7,500	50%
ESB-CAZVSD-0008	VFD Integrated Compressor - 60 hp	\$9,000	50%
ESB-CAZVSD-0009	VFD Integrated Compressor - 75 hp	\$11,250	50%
ESB-CAZVSD-0010	VFD Integrated Compressor - 100 hp	\$15,000	50%
ESB-CAZVSD-0011	VFD Integrated Compressor - 125 hp	\$18,750	50%
ESB-CAZVSD-0012	VFD Integrated Compressor - 150 hp	\$22,500	50%
ESB-CAZVSD-0013	VFD Integrated Compressor - 200 hp and more	\$30,000	50%

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Zero Loss Drain/No Loss Condensate Drains <ul style="list-style-type: none"> • Must replace a moisture drain under the control of a timer on air receiver tank or on the distribution system • Not eligible for replacing existing no loss drains • Specification sheet to be provided <p style="text-align: right;">Incentive value per drain</p>			
ESB-CAZZLD-0001	Zero Loss Drain	\$200	50%
Nozzles <ul style="list-style-type: none"> • Must be installed on an open pipe or replace non-commercial nozzle • Specification sheet to be provided <p style="text-align: right;">Incentive value per nozzle</p>			
ESB-CAZNZZ-0001 to 0004	Engineered Nozzle <ul style="list-style-type: none"> • 1/16", 1/8", 1/4", 3/8" 	\$25	50%
Compressed Air Storage <ul style="list-style-type: none"> • Must result in upgrade of storage capacity • Specification sheet to be provided <p style="text-align: right;">Incentive value per tank</p>			
ESB-CAZCAS-0001	Compressed Air Storage – 0 to 269 USG	\$440	50%
ESB-CAZCAS-0002	Compressed Air Storage – 270 to 449 USG	\$880	50%
ESB-CAZCAS-0003	Compressed Air Storage – 450 to 629 USG	\$1,460	50%
ESB-CAZCAS-0004	Compressed Air Storage – 630 to 809 USG	\$2,050	50%
ESB-CAZCAS-0005	Compressed Air Storage – 810 to 989 USG	\$2,630	50%
ESB-CAZCAS-0006	Compressed Air Storage – 990 to 2249 USG	\$3,220	50%
ESB-CAZCAS-0007	Compressed Air Storage – 2250 to 3149 USG	\$7,310	50%
ESB-CAZCAS-0008	Compressed Air Storage – 3150 USG or more	\$10,240	50%

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Cycling or Thermal Mass Refrigerated Dryer <ul style="list-style-type: none"> Installation of a new high efficiency cycling or thermal mass refrigerated dryer to replace a non-cycling refrigerated dryer Specification sheet to be provided <p style="text-align: right;">Incentive value per dryer</p>			
ESB-CAZCRD-0001	Dryer - 0 to 200 SCFM	\$650	50%
ESB-CAZCRD-0002	Dryer - 201 to 400 SCFM	\$1,300	50%
ESB-CAZCRD-0003	Dryer - 401 to 750 SCFM	\$2,600	50%
Desiccant Dryer Dewpoint Demand Controls <ul style="list-style-type: none"> Installation of dewpoint controls to optimize the regeneration of the desiccant towers by monitoring the removal load and adjusting the regeneration cycles to match the removal load Specification sheet to be provided <p style="text-align: right;">Incentive value per dryer</p>			
ESB-CAZDDZ-0001	Dryer - 0 to 200 SCFM	\$500	50%
ESB-CAZDDZ-0002	Dryer - 201 to 400 SCFM	\$1,200	50%
ESB-CAZDDZ-0003	Dryer - 401 to 750 SCFM	\$2,750	50%
Low Pressure Drop Filter <ul style="list-style-type: none"> Select filter for appropriate compressor hp To replace a standard coalescing filter Pressure drop cannot exceed 1 psid <p style="text-align: right;">Incentive value per filter</p>			
ESB-CAZLPD-0001	Filter <ul style="list-style-type: none"> For compressor sized 0 to 30 hp 	\$120	50%
ESB-CAZLPD-0002	Filter <ul style="list-style-type: none"> For compressor sized 31 to 50 hp 	\$240	50%
ESB-CAZLPD-0003	Filter <ul style="list-style-type: none"> For compressor sized 51 to 70 hp 	\$400	50%
ESB-CAZLPD-0004	Filter <ul style="list-style-type: none"> For compressor sized 71 to 90 hp 	\$560	50%

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
ESB-CAZLPD-0005	Filter <ul style="list-style-type: none"> • For compressor sized 91 to 110 hp 	\$720	50%

REFRIGERATION

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Anti-Sweat Heater Controls <ul style="list-style-type: none"> Controls must sense the relative humidity and reduce heater operation time and cooling load Specification sheet to be provided <p style="text-align: right;">Incentive value per control system</p>			
ESB-REFASH-0001	Anti-sweat heater controls for cooler and freezer doors	\$400	50%
Automatic Door Closer <ul style="list-style-type: none"> To be installed on an existing walk-in cooler, refrigerator, or freezer Hydraulic or spring loaded closer Specification sheet to be provided <p style="text-align: right;">Incentive value per door</p>			
ESB-REFADC-0001 to 0002	Automatic door closer <ul style="list-style-type: none"> Walk-in coolers, refrigerators, and freezers 	\$75	50%
Evaporator Fan Control <ul style="list-style-type: none"> During the compressor off cycle, the control must reduce airflow of an evaporator fan in walk-in cooler, refrigerator, or freezer Specification sheet to be provided <p style="text-align: right;">Incentive value per evaporator</p>			
ESB-REFEFC-0001	Evaporator fan control for motors <ul style="list-style-type: none"> Walk-in coolers, refrigerators, and freezers 	\$115	50%
Night Covers <ul style="list-style-type: none"> No existing night cover already in use Must be in use for 25% of the day Specification sheet to be provided <p style="text-align: right;">Incentive value per cover</p>			
ESB-REFNCZ-0001	Refrigerated case night covers <ul style="list-style-type: none"> Vertical case 	\$20	50%
ESB-REFNCZ-0002	Refrigerated case night covers <ul style="list-style-type: none"> Horizontal case 	\$20	50%

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
<p>Strip Curtain</p> <ul style="list-style-type: none"> • Applicable for walk-in coolers and freezers which had no/ ineffective strip curtain installed • Specification sheet to be provided <p style="text-align: right;">Incentive value per square foot of the doorway area</p>			
ESB-REFSCZ-0001 to-0002	Strip curtain for walk-in refrigerator/ freezer	\$5	50%

LIGHTING SYSTEMS

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Downlight Fixtures and Retrofit Kits <ul style="list-style-type: none"> ENERGY STAR® Certified - classified as 'Downlight Recessed', 'Down Light Solid Retrofit', 'Ceiling Mount' or 'Wall Mount' Specification sheet to be provided along with ENERGY STAR® Unique ID <p style="text-align: right;">Incentive value per fixture</p>			
ESB-LZZDFR-0001	Downlight fixtures and retrofit kits <ul style="list-style-type: none"> 400 to 599 lumens 	\$5	25%
ESB-LZZDFR-0002	Downlight fixtures and retrofit kits <ul style="list-style-type: none"> 600 to 799 Lumens 	\$10	25%
ESB-LZZDFR-0003	Downlight fixtures and retrofit kits <ul style="list-style-type: none"> 800 Lumens or more Efficacy better than 100 lumens/W 	\$12	25%
LED Exit Signs <ul style="list-style-type: none"> Not Eligible for retrofit kits or screw-in lamps Specification sheet to be provided <p style="text-align: right;">Incentive value per exit sign</p>			
ESB-LZZLES-0001	LED exit signs <ul style="list-style-type: none"> 5W or less LED replacement fixtures and photoluminescent signs Listed in accordance with the CSA C22.2 No. 141-15 (R2020) 	\$12	25%
Troffer and Panel Fixtures and Retrofit Kits <ul style="list-style-type: none"> DLC certified - categorized as 'Indoor Luminaire -Troffer' or 'Indoor Luminaire' Specification sheet to be provided along with DLC Product ID <p style="text-align: right;">Incentive value per fixture</p>			
ESB-LZZTFK-0001 to 0002	LED 2x2 recessed light fixture <ul style="list-style-type: none"> 2,000 or more lumen output 	\$20	25%
ESB-LZZTFK-0003 to 0005	LED 2x4 recessed light fixture <ul style="list-style-type: none"> 3,000 or more lumen output 	\$30	25%
ESB-LZZTFK-0006 to 0008	LED 1x4 recessed light fixture <ul style="list-style-type: none"> 1,500 or more lumen output 	\$20	25%

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Refrigerated Case Lighting <ul style="list-style-type: none"> • Retrofit kits are not eligible • Specification sheet to be provided along with DLC Product ID <p style="text-align: right;">Incentive value per fixture</p>			
ESB-LZZRCL-0001	Refrigerated case lighting LED <ul style="list-style-type: none"> • 2 to 4 ft horizontal • DLC Certified as horizontal refrigerated case lighting 	\$20	25%
ESB-LZZRCL-0002	Refrigerated case lighting LED <ul style="list-style-type: none"> • 4 to 6 ft vertical • DLC Certified as vertical refrigerated and freezer case lighting 	\$25	25%
Exterior LED Fixtures and Retrofit Kits <ul style="list-style-type: none"> • DLC certified - categorized as 'Outdoor Luminaire and Outdoor Retrofit kits' – low, medium, high or very high output • Specification sheet to be provided along with DLC Product ID <p style="text-align: right;">Incentive value per fixture</p>			
ESB-LZZELF-0001	LED fixture wall pack or canopy <ul style="list-style-type: none"> • Less than 5,000 lumens 	\$35	25%
ESB-LZZELF-0002	LED fixture wall pack or canopy <ul style="list-style-type: none"> • 5,000 to 9,999 lumens 	\$60	25%
ESB-LZZELF-0003 to 0005	LED fixture wall pack or canopy <ul style="list-style-type: none"> • 10,000 lumens or more 	\$80	25%
ESB-LZZELF-0006	LED fixture flood, pole mounted or other <ul style="list-style-type: none"> • less than 5,000 lumens 	\$50	25%
ESB-LZZELF-0007	LED fixture flood, pole mounted or other <ul style="list-style-type: none"> • 5,000 to 9,999 lumens 	\$75	25%
ESB-LZZELF-0008	LED fixture flood, pole mounted or other <ul style="list-style-type: none"> • 10,000 to 14,999 or more 	\$100	25%

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
ESB-LZZELF-0009	LED fixture flood, pole mounted or other <ul style="list-style-type: none"> 15,000 to 29,999 lumens 	\$125	25%
ESB-LZZELF-0010	LED fixture flood, pole mounted or other <ul style="list-style-type: none"> 30,000 lumens and more 	\$150	25%
Accent or Track Lighting <ul style="list-style-type: none"> ENERGY STAR® Certified - classified as 'Accent or Track Lighting Fixtures' Specification sheet to be provided along with ENERGY STAR® Unique ID <p style="text-align: right;">Incentive value per fixture</p>			
ESB-LZZATL-0001 to 0003	Accent or Track Lighting <ul style="list-style-type: none"> All wattages 	\$20	25%
Linear LED Fixture Replacement or Retrofit Kit <ul style="list-style-type: none"> DLC certified - categorized as 'Surface and Suspended Linear Fixtures' Specification sheet to be provided along with DLC Product ID <p style="text-align: right;">Incentive value per fixture</p>			
ESB-LZZLLF-0001 to 0002	Linear surface or suspended fixture <ul style="list-style-type: none"> Less than 3,000 lumens 	\$20	25%
ESB-LZZLLF-0002	Linear surface or suspended fixture <ul style="list-style-type: none"> 3,000 to 4,499 lumens 	\$30	25%
ESB-LZZLLF-0003 to 0004	Linear surface or suspended fixture <ul style="list-style-type: none"> 4,500 to 7,499 lumens 	\$40	25%
ESB-LZZLLF-0005	Linear surface or suspended fixture <ul style="list-style-type: none"> 7,500 lumens and more 	\$45	25%
Bay LED Fixture or Retrofit Kit <ul style="list-style-type: none"> DLC certified - categorized as 'Low-bay', 'Medium-bay' and 'High-bay Fixtures and Retrofit Kits' Specification sheet to be provided along with DLC Product ID <p style="text-align: right;">Incentive value per fixture</p>			
ESB-LZZBLF-0001	LED bay fixture replacement <ul style="list-style-type: none"> less than 10,000 lumens Less than 100 Watts 	\$30	25%

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
ESB-LZZBLF-0002	LED bay fixture replacement <ul style="list-style-type: none"> • 10,000 to 14,999 lumens • Less than 139 Watts 	\$50	25%
ESB-LZZBLF-0003	LED bay fixture replacement <ul style="list-style-type: none"> • 15,000 to 19,999 lumens • Less than 175 Watts 	\$60	25%
ESB-LZZBLF-0004	LED bay fixture replacement <ul style="list-style-type: none"> • 20,000 to 29,999 lumens • Less than 250 Watts 	\$70	25%
ESB-LZZBLF-0005	LED bay fixture replacement <ul style="list-style-type: none"> • 30,000 lumens and more • Efficacy better than 100 lumens/W 	\$100	25%

LIGHTING CONTROLS

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Daylight Controls <ul style="list-style-type: none"> Automatic off feature not eligible Specification sheet to be provided <p style="text-align: right;">Incentive value per control</p>			
ESB-LCZDCZ-0001 to 0002	Fixture mounted dual occupancy and daylight control	\$25	50%
ESB-LCZDCZ-0003	Ceiling or wall mounted daylight control	\$30	50%
ESB-LCZDCZ-0004	Switch or fixture mounted daylight control	\$22	50%
Occupancy Controls <ul style="list-style-type: none"> Automatic off feature not eligible Specification sheet to be provided <p style="text-align: right;">Incentive value per control</p>			
ESB-LCZOCZ-0001	Ceiling or remote mounted sensor <ul style="list-style-type: none"> The sensor should control more than 300W of lighting load 	\$50	50%
ESB-LCZOCZ-0002	Wall switch mounted sensor <ul style="list-style-type: none"> The sensor should control more than 60W of lighting load 	\$20	50%
ESB-LCZOCZ-0003	Fixture mounted sensor <ul style="list-style-type: none"> The sensor should control more than 30W of lighting load 	\$20	50%
ESB-LCZOCZ-0004	Exterior occupancy sensor	\$22	50%
Exterior Lighting Bi-Level Control <ul style="list-style-type: none"> Must have fully programmable dimming settings, allowing at least two levels of dimming Automatic off feature not eligible Specification sheet to be provided <p style="text-align: right;">Incentive value per control unit</p>			
ESB-LCZBLC-0001	Exterior lighting bi-level controls <ul style="list-style-type: none"> Must control an exterior LED fixture less than or equal to 810W 	\$160	50%

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
ESB-LCZBLC-0002	<p>Exterior lighting bi-level controls with override — 150W to 1000W HID</p> <ul style="list-style-type: none"> • Must control an exterior HID fixture between 150W and 1000W 	\$120	50%
ESB-LCZBLC-0003	<p>Exterior lighting bi-level control with override — 150W to 1000W PSMH</p> <ul style="list-style-type: none"> • Must control an exterior PSMH fixture between 150W and 1000W 	\$120	50%

ONSITE GENERATION

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Solar PV			
<ul style="list-style-type: none"> • Comply with Micro-generation regulation (Alberta Reg 27/2008). <ul style="list-style-type: none"> ○ Submission of Form A with its supporting documentation is required before project pre-approval. • If the PV System is a new installation or it is an expansion to an existing PV system that is beyond the currently approved interconnection approval capacity, the Interconnection Agreement is dated within one year of the Application Date. • Must be connected to electricity grid • Minimum Solar Yield must be 75% of a system design with optimal azimuth and tilt at that location. <ul style="list-style-type: none"> ○ The system losses are modelled at 20% for both the project and the optimal scenario • Installation contractor must be a member in good standing with: <ul style="list-style-type: none"> ○ Solar Alberta, OR ○ Canadian Renewable Association, OR ○ Electrical Contractors Association of Alberta • Comply with the “Additional Eligibility Requirements for PV Systems” within the Participant Terms and Conditions. • For incentive determination, the system size is defined as the total capacity in DC Watts • Not eligible: <ul style="list-style-type: none"> ○ Existing PV systems and its components 			
Incentive value per DC Watt			
ESB- OGZSPV-0001	Solar Photovoltaic <ul style="list-style-type: none"> • Systems less than 15kW 	\$0.65	25%
ESB- OGZSPV-0002	Solar Photovoltaic <ul style="list-style-type: none"> • Systems 15kW to 2 MW 	\$0.50	25%

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
<p>Combined Heat Power (CHP)</p> <ul style="list-style-type: none"> • Comply with Micro-generation regulation (Alberta Reg 27/2008). Submission of Form A is required before project pre-approval. For new systems, the interconnection approval is received within one year of the Application Date. • Eligible prime movers include internal combustion engines or turbine driven. • Must be connected to the electricity grid • All heat must be used within the Eligible Facility. • Minimum overall system efficiency is 50%. • Minimum system utilization factor is 85%. • System design must be approved by an engineer licensed in Alberta. • CHP System can be a retrofit within an existing Facility or within a new construction project. • Comply with the “Additional Eligibility Requirements for CHP Systems” within the Participant Terms and Conditions. • For incentive determination, the generator nameplate electrical output will be used. • Not eligible: <ul style="list-style-type: none"> ○ Fuel cells ○ Microturbines <p style="text-align: right;">Incentive value per kW</p>			
ESB-OGZCHP-0001	<p>Combined heat & power systems less than 4MWe</p> <ul style="list-style-type: none"> • System efficiency 50% to less than 60% 	\$400	50%
ESB-OGZCHP-0002	<p>Combined heat & power systems less than 4MWe</p> <ul style="list-style-type: none"> • System efficiency 60% or more 	\$500	50%

GEOHERMAL

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
<p>Ground Source Heat Pump</p> <ul style="list-style-type: none"> • All heat must be used within the Eligible Facility • Only uses the ground or groundwater for geothermal exchange. • The Geothermal System complies with ANSI/CSA C448 Series, “Design and installation of ground source heat pumps for commercial and residential buildings”. • System design must be approved by an engineer licensed in Alberta who is accredited as a Certified Geo Exchange Designer by the International Ground Source Heat Pump Association or equivalent. • Installed by an Accredited Installer by the International Ground Source Heat Pump Association or equivalent. • Comply with the “Additional Eligibility Requirements for CHP Systems” within the Participant Terms and Conditions. • For incentive determination, the heat pump nameplate rating in tons will be used <p style="text-align: right;">Incentive value per ton</p>			
ESB-GTZGSH-0001	<p>Ground source heat pump</p> <ul style="list-style-type: none"> • System less than 200 tons 	\$2,500	50%

PROCESS HEATING (Added Feb. 24, 2021)

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Steam Traps <ul style="list-style-type: none"> Replacement of steam trap due to leaking, failed closed, open or plugged are eligible Must be in service Specification sheet to be provided <p style="text-align: right;">Incentive value per trap</p>			
ESB-PHZSTZ-0001 to 0009	Steam trap <ul style="list-style-type: none"> Diameter 1/8" and greater 	\$250	50%
Economizer <ul style="list-style-type: none"> Economizer must be installed on a process boiler or space heating boiler exhaust stack Heat captured should be used for pre-heating boiler feed water Must be installed on a boiler with no economizer Specification sheet to be provided <p style="text-align: right;">Incentive value per boiler MBH</p>			
ESB-PHZEZZ-0001, 0003	Conventional (Non-Condensing) Economizer <ul style="list-style-type: none"> Incentive is capped at \$20,000 	\$2	50%
ESB-PHZEZZ-0002, 0004	Condensing Economizer <ul style="list-style-type: none"> Incentive is capped at \$30,000 	\$3	50%
Steam Fittings and Pipe Insulations <ul style="list-style-type: none"> Must be high-density fiberglass or closed-cell elastomeric foam insulation Pre-formed pipe insulation to be installed on bare metal pipe system applications to have a minimum R-Value of 4 If incremental insulation is being added, final pipe insulation to have a minimum R-Value of 4 Specification sheet to be provided <p style="text-align: right;">Incentive value per foot of insulation</p>			
ESB-PHZSFP-0001	Steam fittings and pipe insulation <ul style="list-style-type: none"> Pipe diameter less than 1" 	\$2/ft	50%
ESB-PHZSFP-0002-0007	Steam fittings and pipe insulation <ul style="list-style-type: none"> Pipe diameter of 1" and greater 	\$4/ft	50%

HVAC (Added Feb. 24, 2021)

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Boilers and Heaters <ul style="list-style-type: none"> Specification sheet to be provided <p style="text-align: right;">Incentive value is per MBH of the boiler or heater</p>			
ESB-HVABHZ-0001 – 0003	Condensing boiler ENERGY STAR® certified	\$12	50%
ESB-HVABHZ-0004	Condensing unit heater <ul style="list-style-type: none"> Located in a conditioned space 	\$10	50%
Boiler and Heater Controls <ul style="list-style-type: none"> Specification sheet to be provided <p style="text-align: right;">Incentive value is per MBH of the boiler</p>			
ESB-HVABHC-0001	Modulating boiler burner <ul style="list-style-type: none"> Maximum eligible boiler size of 2,500 MBH 	\$1.50	50%
ESB-HVABHC-0002	Boiler vent damper <ul style="list-style-type: none"> Maximum eligible boiler size of 2,500 MBH 	\$2.00	50%
Furnaces <ul style="list-style-type: none"> Specification sheet to be provided <p style="text-align: right;">Incentive value is per unit</p>			
ESB-HVABHZ-0005	High efficiency furnace <ul style="list-style-type: none"> ENERGY STAR® certified AFUE: 96% and more 	\$1,000	50%
Chillers <ul style="list-style-type: none"> Used for space cooling or process cooling Rated efficiency (kW/ton) for Integrated Part Load Value (IPLV) to be less than qualifying efficiency Efficiency rating must be based on AHRI Standard 550/590 (IP) for IPLV conditions and not full load conditions Must be for primary use and not a back up Must meet ASHRAE 90.1 standard-2016 Table 6.8.1-3 requirements for Path A or Path B efficiency Refrigerant to comply with all applicable codes and authorities having jurisdiction Specification sheet to be provided 			

Incentive value is per unit			
ESB-HVACZZ-0001	Air cooled Chillers <ul style="list-style-type: none"> • 50 to 150 tons • Greater than 16.440 EER IPLV.IP 	\$500	50%
ESB-HVACZZ-0002	Air cooled Chillers <ul style="list-style-type: none"> • More than 150 tons • Greater than 16.800 EER IPLV.IP 	\$1,500	50%
ESB-HVACZZ-0003	Water cooled – positive displacement <ul style="list-style-type: none"> • 50 to less than 75 tons • Less than 0.480 kW/ton IPLV.IP 	\$2,000	50%
ESB-HVACZZ-0004	Water cooled – positive displacement <ul style="list-style-type: none"> • 75 to less than 150 tons • Less than 0.450 kW/Ton IPLV.IP 	\$6,500	50%
ESB-HVACZZ-0005	Water cooled – positive displacement <ul style="list-style-type: none"> • 150 to 300 tons • Less than 0.430 kW/Ton IPLV.IP 	\$12,000	50%
ESB-HVACZZ-0006	Water cooled – centrifugal <ul style="list-style-type: none"> • 50 to less than 75 Tons • Less than 0.440 kW/Ton IPLV.IP 	\$2,000	50%
ESB-HVACZZ-0007	Water cooled – centrifugal <ul style="list-style-type: none"> • 75 to less than 150 Tons • Less than 0.440 kW/Ton IPLV.IP 	\$6,500	50%
ESB-HVACZZ-0008	Water cooled – centrifugal <ul style="list-style-type: none"> • 150 to 300 Tons • Less than 0.420 kW/Ton IPLV.IP 	\$12,000	50%
Roof-Top Units (RTU) <ul style="list-style-type: none"> • Specification sheet to be provided 			
Incentive is per unit			
ESB-HVARTU-0001	Split System or Single Package with Economizer <ul style="list-style-type: none"> • RTU of 3.0 Tons to less than 5.4 Tons • Minimum efficiency rating 12.5 EER 	\$150	50%
ESB-HVARTU-0002	Split System or Single Package with Economizer <ul style="list-style-type: none"> • RTU of 5.4 Tons to less than 11.4 Tons • Minimum efficiency rating 12.2 EER 	\$250	50%

ESB-HVARTU-0003	Split System or Single Package <ul style="list-style-type: none"> • RTU of 11.25 Tons to less than 20 Tons • Minimum efficiency rating 10.8 EER 	\$600	50%
ESB-HVARTU-0004	Split System or Single Package <ul style="list-style-type: none"> • RTU of 20 Tons to less than 63.3 Tons • Minimum efficiency rating 10.8 EER 	\$1,250	50%
<p>Air Source Heat Pump (ASHP) and Variable Refrigerant Flow (VRF) Heat Pumps</p> <ul style="list-style-type: none"> • Air Source Heat Pumps must meet either: <ul style="list-style-type: none"> ○ Consortium of Energy Efficiency (CEE) Unitary Heat Pump Specification Appendix B CEE Tier 1 or 2 ○ Northeast Energy Efficiency Partnerships (NEEP) efficiencies Cold Climate Air-Source Heat Pump Specifications Version 3. • Variable Refrigerant Flow Heat Pumps must meet either: <ul style="list-style-type: none"> ○ Consortium of Energy Efficiency (CEE) Tier 1 COP Requirements ○ Must be certified by the Air-Conditioning, Heating and Refrigeration Institute (AHRI) as a Variable Refrigerant Flow (VRF) Heat Pump • Only replacement of electric heating and cooling is eligible • Specification sheet to be provided <p style="text-align: right;">Incentive is per ton</p>			
ESB-HVASH-0001	Split System or Single Package <ul style="list-style-type: none"> • ASHP of 3.0 Tons to less than 5.4 Tons • Minimum efficiency rating: cooling mode <ul style="list-style-type: none"> ○ Split System 15 SEER, 12.5 EER ○ Single Package 15 SEER, 12 EER • Minimum efficiency rating: heating mode <ul style="list-style-type: none"> ○ Split System 8.5 HSPF ○ Single Package 8.2 HSPF 	\$1,000	50%
ESB-HVASH-0002	Split System or Single Package <ul style="list-style-type: none"> • ASHP or VRF System of 5.4 Tons to less than 11.25 Tons • Minimum efficiency rating: cooling mode <ul style="list-style-type: none"> ○ 11.8 EER, 13.6 IEER • Minimum efficiency rating: heating mode <ul style="list-style-type: none"> ○ 3.4 COP 	\$1,000	50%
ESB-HVASH-0003	Split System or Single Package <ul style="list-style-type: none"> • ASHP or VRF System of 11.25 to less than 20.0 Tons • Minimum efficiency rating: cooling mode <ul style="list-style-type: none"> ○ 10.9 EER, 12.8 IEER 	\$1,000	50%

	<ul style="list-style-type: none"> Minimum efficiency rating: heating mode <ul style="list-style-type: none"> 3.3 COP 		
ESB-HVASH-0004	<p>Split System or Single Package</p> <ul style="list-style-type: none"> ASHP or VRF System of 20.0 to 200.0 Tons Minimum efficiency rating: cooling mode <ul style="list-style-type: none"> 10.3 EER, 11.8 IEER Minimum efficiency rating: heating mode <ul style="list-style-type: none"> 3.3 COP 	\$1,000	50%
<p>Make Up Air Unit</p> <ul style="list-style-type: none"> Gas-fired condensing units Thermal efficiency 90% or more Specification sheet to be provided <p style="text-align: right;">Incentive is per 100 CFM</p>			
ESB-HVAMAU-0001	<p>Condensing Make-up Air Unit</p> <ul style="list-style-type: none"> Constant Speed – 1,500 to 14,000 CFM 	\$50	50%
ESB-HVAMAU-0002	<p>Condensing Make-Up Air Unit</p> <ul style="list-style-type: none"> Two Speed or VFD Equipped – 1,500 to 14,000 CFM 	\$100	50%
<p>Heat Recovery Ventilators (HRV)</p> <ul style="list-style-type: none"> Specification sheet to be provided <p style="text-align: right;">Incentive is per 100 CFM of HRV</p>			
ESB-HVAHRV-0001	<p>HRV</p> <ul style="list-style-type: none"> Minimum sensible effectiveness of 65% at 32°F Compliant with ASHRAE 62.1 Not eligible where demand control ventilation or scheduled setbacks are in use or where 100% of exhaust air must be removed from the building to avoid cross-contamination 	\$200	50%
<p>Energy Recovery Ventilators (ERV)</p> <ul style="list-style-type: none"> Specification Sheet to be provided <p style="text-align: right;">Incentive is per 100 CFM of ERV</p>			
ESB-HVAERV-0001	<p>Energy Recovery Ventilators</p> <ul style="list-style-type: none"> Minimum sensible effectiveness of 65% at 32°F Compliant with ASHRAE 62.1 	\$200	50%

	Not eligible where demand control ventilation or scheduled setbacks are in use or where 100% of exhaust air must be removed from the building to avoid cross-contamination		
<p>Demand Control Ventilation</p> <ul style="list-style-type: none"> • Specification sheet to be provided <p style="text-align: right;">Incentive is per CO₂ sensor</p>			
ESB-HVADCV-0001	<p>Demand Control Ventilation</p> <ul style="list-style-type: none"> • Must be installed in a constant volume HVAC system • The space where ventilation is controlled must be a minimum of 1,000 square feet • Compliant with ASHRAE 62.1 • Not eligible where heat or energy recovery is in use • Only for new installation of sensors (adding new sensors) for previously non-controlled ventilation 	\$500	50%
<p>Destratification Fans</p> <ul style="list-style-type: none"> • Specification sheet to be provided <p style="text-align: right;">Incentive is per fan</p>			
ESB-HVADFZ-0001	<p>Destratification Fans</p> <ul style="list-style-type: none"> • Must be installed in buildings that have space heating • Minimum fan diameter of 20 feet • Minimum ceiling height of 20 feet 	\$1,000	50%

Pipe Insulation

- Minimum R-Value of 2.5
- Composed of elastomeric foam rubber, polyethylene foam, UV-resistant polyethylene foam, mineral wool, fiberglass, rigid polyurethane foam, rigid phenolic foam, cellular glass or calcium silicate
- Specification sheet to be provided

Incentive is per foot of insulation

ESB-HVAIZZ-0001	Pipe Insulation – Indoor	\$4	50%
ESB-HVAIZZ-0002	Pipe Insulation – Outdoor	\$4	50%

Packaged Terminal Heat Pump

- Specification Sheet to be provided

ESB-HVAPHP-0001	<p>Packaged terminal heat pump</p> <ul style="list-style-type: none"> • Must be certified by the Air-Conditioning, Heating and Refrigeration Institute (AHRI) as Packaged Terminal Heat Pump • Compliant with NRCan Energy Performance Standard for Packaged Terminal Air Conditioners and Heat Pumps 	\$200	50%
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WATER HEATING (Added Feb. 24, 2021)

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Condensing Storage Tank Water Heater <ul style="list-style-type: none"> ENERGY STAR® Thermal efficiency is 95% or more Specification Sheet to be provided <p style="text-align: right;">Incentive is per water heater</p>			
ESB-WHZCST-0001	Condensing Storage Tank Water Heater <ul style="list-style-type: none"> Less than or equal to 75,000 BTU/h 	\$300	50%
Condensing Storage Tank Water Heater <ul style="list-style-type: none"> ENERGY STAR® Thermal efficiency is 95% or more Specification Sheet to be provided <p style="text-align: right;">Incentive is per MBH of water heater</p>			
ESB-WHZCST-0002	Condensing Storage Tank Water Heater <ul style="list-style-type: none"> Greater than 75,000 BTU/h 	\$9	50%
Condensing Tankless Water Heater <ul style="list-style-type: none"> ENERGY STAR® Thermal efficiency is 90% or more Specification Sheet to be provided <p style="text-align: right;">Incentive is per water heater</p>			
ESB-WHZCTZ-0001	Condensing Tankless Water Heater <ul style="list-style-type: none"> Less than or equal to 75,000 Btu/h 	\$500	50%
Condensing Tankless Water Heater <ul style="list-style-type: none"> ENERGY STAR® Thermal efficiency is 90% or more Specification Sheet to be provided <p style="text-align: right;">Incentive is per MBH of water heater</p>			
ESB-WHZCTZ-0002	Condensing Tankless Water Heater <ul style="list-style-type: none"> Greater than 75,000 BTU/h 	\$9	50%

Water Heater Jacket

- Specification Sheet to be provided
- Only eligible for installation on a gas-fired water storage tank heater

Incentive is per unit

<p>ESB-WHZJZZ-0001</p>	<p>Water Heater Jacket</p> <ul style="list-style-type: none"> • Min R-Value of 6 • Must be for natural gas water heater 	<p>\$50</p>	<p>50%</p>
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BUILDING ENVELOPE AND WINDOWS (Added Feb. 24, 2021)

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Air Curtains			
<ul style="list-style-type: none"> • Installation on single and double doors and shipping/receiving doors • Must be tested by a third-party performance standard (ANSI/AMCA 220-05 or similar) • Air curtains are not eligible on dock doors where other mechanisms that combat infiltration at the shipping/receiving door are present, such as dock door seals • Specification sheet to be provided 			
			Incentive per unit
ESB-BEWACZ-0001	Shipping Doors Dock-In <ul style="list-style-type: none"> • 8' x 8', 8' x 9', 8' x 10' 	\$3,750	50%
ESB-BEWACZ-0002	Shipping Doors Dock-In <ul style="list-style-type: none"> • 10' x 10' or larger than 100 square feet 	\$4,500	50%
ESB-BEWACZ-0003	Pedestrian <ul style="list-style-type: none"> • 3' x 7' 	\$300	50%
ESB-BEWACZ-0004	Pedestrian <ul style="list-style-type: none"> • 6' x 7', 6' x 8' 	\$300	50%
ESB-BEWACZ-0005	Pedestrian – Double doors <ul style="list-style-type: none"> • 2x(3' x 7') 	\$600	50%
ESB-BEWACZ-0006	Pedestrian – Double doors <ul style="list-style-type: none"> • 2x(6' x 7'), 2x(6' x 8') 	\$600	50%
Door Dock Seal			
<ul style="list-style-type: none"> • Must be replacement of deteriorated seals or the addition of new seals to an existing building with shipping/receiving doors • Specification sheet to be provided 			
ESB-BEWDDS-0001	Compression <ul style="list-style-type: none"> • 8' x 8', 8' x 9', 8' x 10' 	\$750	50%
ESB-BEWDDS-0002	Shelter <ul style="list-style-type: none"> • 10' x 10' or larger than 100 square feet 	\$1,400	50%

Measure Code	Measure and Minimum Eligibility	Incentive Value	Maximum % of Eligible Expense
Insulation <ul style="list-style-type: none"> • Specification sheet to be provided <p style="text-align: right;">Incentive is per square foot of insulation installed</p>			
ESB-BEWIZZ-0001	Ceiling insulation <ul style="list-style-type: none"> • Minimum incremental increase in insulation of R-20 • Minimum combined insulation greater than R-40 	\$1	50%
ESB-BEWIZZ-0002	Wall insulation <ul style="list-style-type: none"> • Minimum incremental increase in insulation of R-7 • Minimum combined insulation greater than R-27 	\$1	50%
High-Efficiency Windows <ul style="list-style-type: none"> • Specification sheet to be provided <p style="text-align: right;">Incentive is per square foot of windows installed</p>			
ESB-BEWHEW-0001	High efficiency windows <ul style="list-style-type: none"> • U-value thermal resistance to be less than 0.30 	\$2	50%