



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
VFD for Fan or Pump Motor
Premium Efficient Motor - ODP
Premium Efficient Motor - TEFC
Notched or Synchronous Belt Retrofits
Compressed Air
VSD Air Compressor
Zero Loss Drain
Nozzles
Compressed Air Storage
Cycling or Thermal Mass Refrigerated Dryer
Desiccant Dryer Dewpoint Demand Controls
Low Pressure Drop Filter
Refrigeration
Anti-Sweat Heater Controls
Automatic Door Closer
Evaporator Fan Control
Night Covers
Strip Curtain
Lighting Systems
Downlight Fixtures and Retrofit Kits
LED Exit Signs
Troffer Fixtures and Kits
Refrigerated Case Lighting LED
Exterior LED Fixtures
Accent or Track Lighting
Linear LED Fixture Replacement or Retrofit
Bay LED Fixture
Building Envelope and Windows
Air Curtains and Door Dock Seals
Ceiling and Wall Insulation
High Efficiency Windows

Lighting Controls
Daylight Controls
Occupancy Controls
Bi-Level Control
Onsite Generation
Solar PV
Combined Heat & Power
Geothermal
Ground Source Heat Pump
HVAC
Condensing Boilers
Condensing Unit Heaters
Boiler and Heater Controls
High Efficiency Furnaces
Chillers
Roof-Top Units
Condensing Make-Up Air Unit
Heat and Energy Recovery Ventilators
Demand Control Ventilation
Destratification Fans
HVAC Pipe Insulation
Packaged Terminal Heat Pumps
Process Heating
Steam Traps
Economizers
Steam Fittings and Pipe Insulation
Water Heating
Condensing Storage Tank Water Heater
Condensing Tankless Water Heater
Water Heater Jacket
COMING SOON
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

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%

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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