

Farm Energy and Agri-Processing Program Funding List for Agri-Processors

This funding list contains a list of possible expenses that may be included in an application under the Farm Energy and Agri-Processing Program (the “Program”). Projects with equipment not listed here may still be considered for funding under the Program depending on their energy savings potential, and shall be reviewed on a case-by-case basis. To be considered for funding under the Program, Applicants must complete and submit a Program application form to Alberta Agriculture and Forestry. The Program is governed by the Program Terms and Conditions, and these should be reviewed prior to submitting an application.

All purchases must meet the eligibility requirements in the Program Terms and Conditions. Please note that purchases made before April 1, 2016 are ineligible for reimbursement under the Program.

The following expenses are cost shared at 80% grant and 20% applicant:

ENERGY AUDITS AND ASSESSMENTS – Activity Code 500

- Third Party Contracting Services to obtain independent energy assessments and audits. Applicants must include outline of work to be completed and quotations.
- Grant funding up to a maximum of \$50,000. Assessors must be pre-approved before applying. Please see the list of Energy Assessment Providers (for Producers) on the FEAP website.

ELECTRICITY, NATURAL GAS, AND LIQUID (FUEL OR WATER) SUBMETERS – Activity Code 600

- Liquid fuel meters, or sub meters for electricity or natural gas, installed downstream of the main utility meter, that give increased detail about equipment’s energy usage and performance.

NEW CONSTRUCTION INSULATION – Activity Code 700

	Funding Level (This table is for reference <i>only</i>) Program staff will calculate funding amount
Building Wall Insulation $\geq R25$	\$0.40/ft ²
Building Wall Insulation $\geq R35$	\$0.80/ft ²
Building Ceiling Insulation $\geq R50$	\$0.20/ft ²
Building Ceiling Insulation $\geq R60$	\$0.40/ft ²
Building Under-Slab/Foundation Insulation	\$0.04/ft ² per R-value, to max \$1.20/ft ²
Adding to existing insulation	Ineligible under new construction- see retrofit insulation
Windows and doors	Ineligible

The following expenses are cost shared at **50% grant and 50% applicant**:

LIGHTING – Activity Code 800

- Lighting that meets the minimum efficiency criteria in this Table:

For Luminaires ≤ 30 Watts*	
Efficacy (lm/W)	≥85
For Luminaires ≥ 30 Watts*	
Efficacy (lm/W)	≥100

*Must be CSA or ULC approved

HEATING & Refrigeration – Activity Code 900

- Natural gas boilers with AFUE >95%.
 - **RETROFIT ONLY**
- Non-Condensing boilers meeting the following criteria:
 - **RETROFIT ONLY**
 - **Annual fuel utilization efficiency (AFUE): greater than or equal to 85%**
 - **Fuel type: natural gas and/or propane**
 - **Primary use: steam or hydronic (hot water) system**
 - **Certification requirement: Must be certified to CSA 4.9/ANSI Z21.13 CSA 4.9/ANSI Z21.13 Standard for gas-fired low pressure steam and hot water boilers**
 - **Not eligible: oil-fired models**
 - **Must provide specification sheet(s) with application.**
- Natural gas furnaces with AFUE >95%.
 - **RETROFIT ONLY**
- Natural gas radiant tube heaters – Approvals are case-by-case.
 - **RETROFIT ONLY**
- Tankless (inline) natural gas or electric water heaters with Energy Factor > 0.93.
- Condensing storage water heaters.
- Combined Heat and Power Units (CHP) from 1.5 kW to 300.0 kW
- Refrigeration – Refrigeration and cooling equipment using scroll compressors
 - **RETROFIT ONLY**

VENTILATION - Activity Code 1000

- Ventilation fans tested by BESS Labs (<http://www.bess.uiuc.edu>), and which meet the minimum efficiency ratings in the Table below.

○ **RETROFIT ONLY**

Fan Blade Diameter	cfm/W at 0.1"
<16"	8.7
16 to 21"	11.2
22 to 35"	14.6
36 to 47"	17.2
48 to 56"	20.4
>56"	21.5

- Controllers, curtains and membranes for heating and ventilation systems; Applications must include Expected Savings Calculation showing proper sizing.

RETROFIT INSULATION – Activity Code 1100

- Add to existing insulation
- Windows and doors are ineligible

OTHER ENERGY EFFICIENT TECHNOLOGIES – Activity Code 1200

- Variable speed drives for pumps, fans, compressors, conveyers, and material handling equipment. Applications must include Expected Savings Calculations showing proper sizing.
- Timers, photo-sensors, motion sensors, and programmable logic controllers for energy saving (e.g. for controlling lighting, block heaters, ventilation, heating, etc.). Applications must include Expected Savings Calculation showing proper sizing.
 - **RETROFIT ONLY**
- Other CSA / UL approved technologies that are readily available and demonstrate energy or GHG reductions in your processing facility. Applications must include Expected Savings Calculation showing proper sizing.
- Combustion Efficiency Analyzers.

Projects with equipment not listed in the above list may still be considered for funding under the program depending on their energy savings potential, and shall be reviewed on a case-by-case basis.

***Please remember: the minimum grant amount an applicant may request is \$500
Applications for grants less than this amount will be denied***