

Guidance for Emission Offsets

Emission offsets are generated by projects that have voluntarily reduced their greenhouse gas emissions. Emission offsets are quantified using Alberta-approved methodologies called quantification protocols and are verified by a third party in accordance with the Standard for Validation, Verification and Audit.

Emission offset projects must meet the requirements in the [Technology Innovation and Emissions Reduction \(TIER\) regulation](#), the [Standard for Greenhouse Gas Emission Offset Project Developers](#), and a relevant [Alberta-approved quantification protocol](#).

Alberta emission offsets are registered and publicly listed on the [Alberta Emission Offset Registry](#) currently operated by CSA Group.

Some eligible project types in the Methane Technology Implementation Program (MTIP) are also eligible for emission offsets. The following MTIP project types may be eligible for emission offset generation:

- 1a - Pneumatic Devices Electrification (including instruments, actuators, VFDs, motors, chemical injection pumps)
- 1b - High Bleed Pneumatic Instruments Conversion to Low Bleed Pneumatic Instruments
- 1c - Instrument Gas to Instrument Air Conversion
- 1d - Vent Gas Capture from Pneumatic Devices

Please note that projects that receive funding through MTIP are required to forfeit the rights to the associated environmental attributes, therefore are not eligible to later register for the [Alberta Emissions Offset System](#) or any other carbon credit entity. Projects that receive funding through MTIP and would like to retain the associated environmental attributes can do so by returning the MTIP funding received prior to June 30, 2021.

What does this mean?

An emission offset represents a one-tonne reduction or removal in greenhouse gases (GHG) emissions from an independently verified GHG project.

The offset crediting period for an emission offset project begins on the offset start date of that emission offset project and continues for eight consecutive years or as otherwise specified in the applicable quantification protocol.

Alberta offset credits are traded in an offset market, where prices can fluctuate based on supply and demand. Alberta's TIER fund credit price (i.e. carbon price) sets a ceiling for the value of offset credits. Current TIER fund credit prices are:

- (a) \$30.00 for the year 2020, and
- (b) \$40.00 for the year 2021 or a subsequent year.

Estimated offset credit value can be calculated by:

Credit Period (years) x Expected Annual Reductions (tonnes CO₂e reduced/year) x Expected market Price (\$/credit)

For example:

8 years x 750 credits/year x 30 \$/credit = \$180,000

This example is provided for illustrative purposes only.

Who can help with offsets?

The following is a list of organizations offering offset project support:

Organization	Phone	Email
Bluesource	403.262.3026 x.226 403-262-3026 x.228	yvanc@bluesourcecan.com kelsey1@bluesourcecan.com
Modern West Advisory	403.604.0219	jhegland@modernwestadvisory.com
Radicle	403.912.9132	info@radiclebalance.com
Trido Industries Inc	855.368.7438	info@tridoind.com