CONDENSATE RECOVERY

- ☑ ***STORAGE TANK EMISSIONS***
- ☑ ***FLARE GAS, TREATER WASTE GAS***
- ☑ ***GAS INJECTION, GAS LIFT***

We offer proven, practical & cost-effective technology to reduce/eliminate tank emissions, and strip valuable condensate otherwise vented or flared.

We enable generation of incremental revenue through condensate re-sale or blending with sales oil.

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FROM BLACK SMOKE TO BLACK NUMBERS

WE APPLY PROVEN SOLUTIONS

1. **Our "VET" process**
   (Venturi-Ejector Technology)

2. **Our "MRU" process**
   (Micro Refrigeration Units)

We offer proven, practical & cost-effective technology to reduce/eliminate tank emissions, and strip valuable condensate otherwise vented or flared.

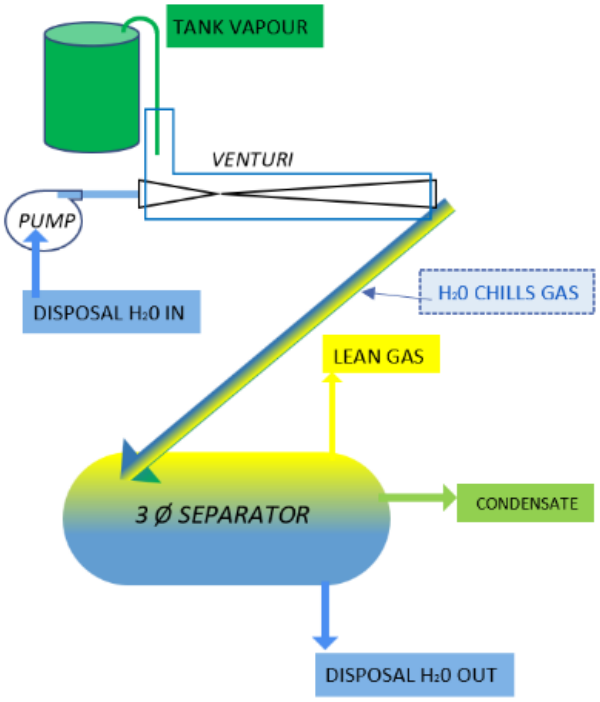
We enable generation of incremental revenue through condensate re-sale or blending with sales oil.

Recover & sell as oil, condensate, or improve oil API

Clean fuel gas for power generation, deliver to grid or utility

Reduce emissions; stay under permit limits

Generate carbon credits for offset or trade



THE WETTER THE GAS, THE MORE THE VENTURIS SHINE VERSUS CONVENTIONAL VRU'S

VET PROCESS

VENTURI/EJECTOR TECHNOLOGY

We use disposal water as the motive fluid to entrain & compress gas. One Bakken tank farm currently venting 300,000 SCF/d of 2,300 BTU/ft^3 gas was shown to be able to achieve a condensate volume of ~70 Bbl/d recoverable. Once installed, the site can have conditioned fuel gas for on-site power generation. Outlet gas volume is reduced to 184,000 SCF/d (nearly 50% reduction of original waste gas).

Depending on site conditions, condensate can blend into sales oil or sold as NGL. In some cases, project payout is less than 6 months. Compositions vary, we will provide detailed modelling for your asset. **The venturi process can also capture exhaust gas from compressors, dehy's and other low pressure vent sources. We can inject to a disposal well for complete facility carbon capture.**

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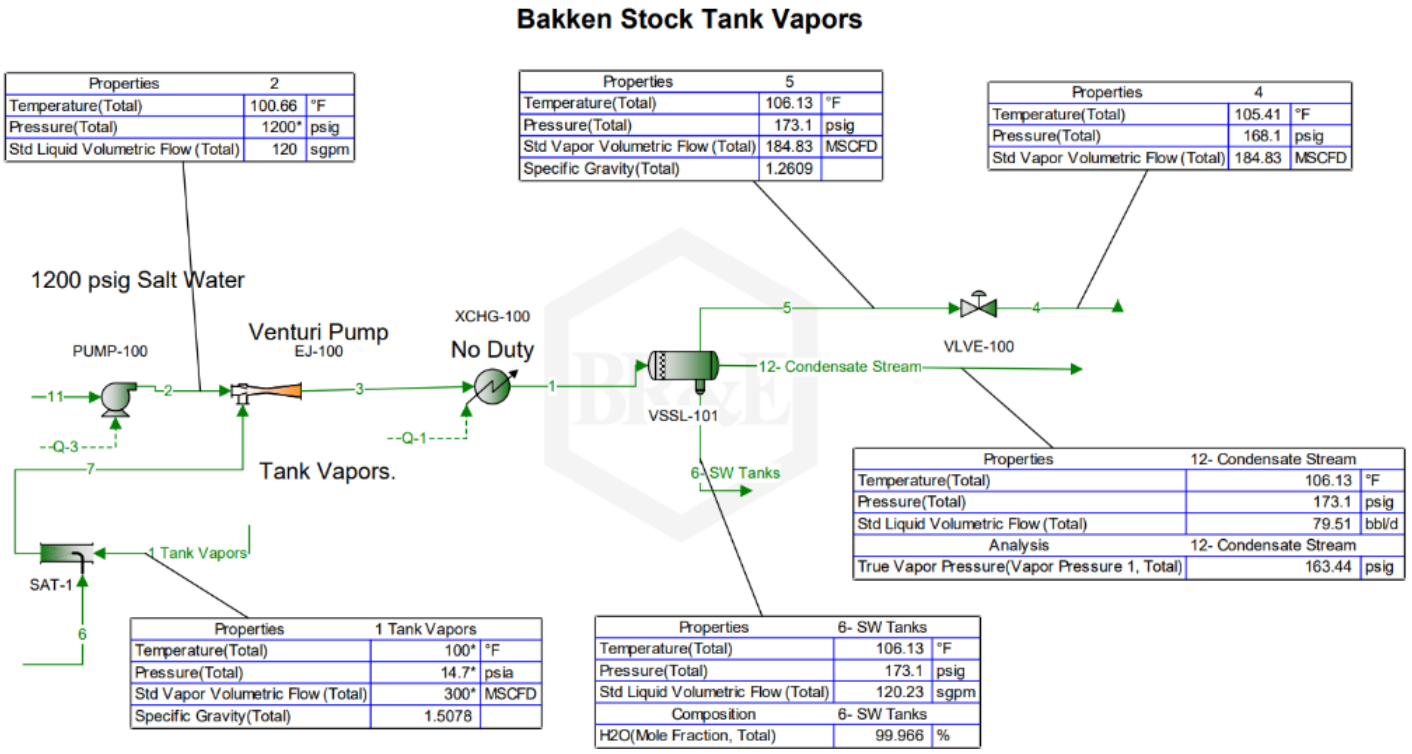
VET PROCESS



EJECTOR PERFORMANCE

POWER FLUID	COMPRESSED FLUID	COMPRESSION RATIO
HIGH PRESSURE GAS	LOW PRESSURE GAS	**8:1**
HIGH PRESSURE LIQUID	LOW PRESSURE GAS	**150:1**

MORE EDUCTOR-BASED PROCESSES

- ✓ **CONDITION GAS FOR INJECTION OR GAS LIFT**
- ✓ **CAPTURE EXHAUST FROM ENGINES/TURBINES, DISPOSE WITH INJECTION WATER**
- ✓ **CAPTURE EXHAUST FROM DIRECT-FIRED EQUIPMENT, DISPOSE WITH INJECTION WATER***

***Note: downhole zone compatibility with exhaust gas to be considered.**

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MRU PROCESS

LIQUID STRIPPER

Clean burning gas: A **M**icro **R**efridge **U**nit with a small footprint to recover liquids from wet gas coming off storage tanks, treaters, or other waste gas destined for fuel for generation or flaring. The remaining conditioned gas delivers clean dry fuel gas to generation equipment or a cleaner burning flare.

Condition injection gas: The MRU strips liquids and conditions injection gas for optimal results. Monetize condensate while improving injection gas. Results include better injection performance and fewer downhole equipment issues caused by condensates.

MRU PROCESS SKID

A TINY PACKAGE MAKES A BIG DIFFERENCE

- ☑ Minimal package footprint with use of our compact components
- ☑ Simple, durable refrigeration system serviceable by HVAC technicians.
- ☑ Refrigerant is safer than propane, reducing on-site hazards.
- ☑ Purpose-built low temp separator (LTS) for improved separation
- ☑ High grade component metallurgy for greater corrosion resistance.
- ☑ Available in 5, 10, 20 & 30HP from 100 MSCF/d - 2 MMSCF/d

EQUIPMENT PAYOUT IS OFTEN < 6 MONTHS

INDEPENDENT OF EMISSION REDUCTION BENEFTS (CARBON CREDITS, PENALTY AVOIDANCE, ETC.)

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CARBON OFFSETS:

REDUCE VENTED METHANE EMISSIONS

CATEGORY 1: CONSERVATION

Includes injection to pipeline or on-site use for stationary combustion as fuel gas and for on-site power generation. Eligible for 8-year crediting period with potential extensions or 10-year with no potential extensions.

CATEGORY 2: DESTRUCTION

Includes incineration and existing flare tie-ins. Eligible until 30/09/2025.

INELIGIBLE PROJECTS:

Includes baseline condition of flaring the gas, large emitter sites, TIER opt in sites, sites subject to Directive 84 (Peace River) and more.

REGULATIONS

OFFSETS ARE ONLY AVAILABLE WHEN ADDITIONAL TO REGULATIONS

FEDERAL EQUAVALENCY AGREEMENT FOR D60 EXPIRES OCT. 2025

New framework for federal methane regulations were released online and are extremely prescriptive and tight.

Scan QR code for most updated regulations or visit **www.canada.ca/en/services/environment/weather/climatechange/climate-plan/reducing-methane-emissions/proposed-regulatory-framework-2030-target.html**

TIER AMENDMENT

Includes items that look attractive to vent gas (not flare gas) recovery projects in Alberta to create offsets.

- Carbon price following Federal model
- 90% of carbon liability can be covered by offsets or performance credits

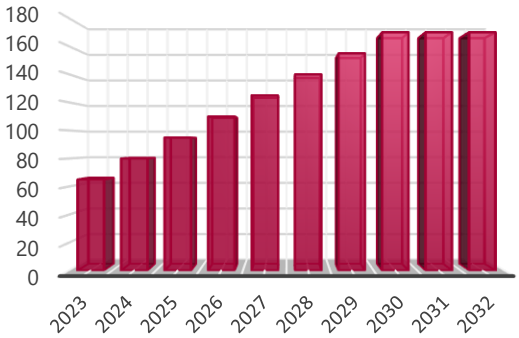
OFFSETS IN ACTION:

Assuming a total reduction of 15,000m^3/month, no leftover venting on location, and with a 10% conservative reduction – the unit could reduce 2198 tCO_2e/year based on reduction of methane from vented gas.

$8.8M	$20M	<4	261,013
Overall Investment	Overall Return of 8 Years	Years Projected Initial Payback	Total Volume tCO_2e

Maximum available reduction is 15,000m^3/month of methane which is the Overall Vent Gas (OVG) limit set by D60.

Equivalent to approximately:
2,442 tCO_2e/year at 80% methane,
1,831 tCO_2e/year at 60% methane,
1,221 tCO_2e/year at 40% methane.



RISING CARBON PRICES

The price of carbon is expected to rise in Alberta. As prices rise, producers will feel the impacts to their bottom line in the form of increased taxes. Early adoption of emission reduction strategies will minimize future expense and accelerate payback.

YEAR	ALBERTA
2023	$ 65.00
2024	$ 80.00
2025	$ 95.00
2026	$ 110.00
2027	$ 125.00
2028	$ 140.00
2029	$ 155.00
2030+	$ 170.00

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