



STEP Energy Services is one of the leading nitrogen services providers in the industry. If you NEED N<sub>2</sub>, STEP is the most efficient, dependable and experienced choice in Western Canada. Reliable equipment, punctual crews and a diligent focus on safe operations is what differentiates STEP's team of nitrogen professionals. Our fleet of equipment provides support for coiled tubing and hydraulic fracturing operations and is also used for a variety of stand-alone industrial plant and pipeline service applications. Applications include, but are not limited to:

- N<sub>2</sub> cleanouts and purging
- Well kick-arounds
- Nitrified acid assists
- Foam cementing assists
- Pressure testing vessels
- Stored fluids withdrawal
- Pipeline pigging
- Facility purging

Each unit is manned by a crew of client-focused, safety-oriented professionals who specialize in the delivery of nitrogen services in a timely, economic and safe manner.

**NITROGEN PUMPING**

**LOW-RATE NITROGEN PUMPING UNIT:**

- |                    |   |
|--------------------|---|
| <b>Horsepower:</b> | 600 HP  |
| <b>Capacity:</b>   | <ul style="list-style-type: none"> <li>• 5 to 85 scm/min (175 to 3,000 scf/min)</li> <li>• 7,500 scm (265,000 scf) storage tank capacity</li> </ul> |
| <b>Features:</b>   | <ul style="list-style-type: none"> <li>• Flameless heat recovery</li> <li>• 69.4 MPa (10,000 psi) operating</li> </ul>                              |

**HIGH-RATE / HIGH-CAPACITY PUMPING UNIT:**

- |                    |   |
|--------------------|---|
| <b>Horsepower:</b> | 1350 HP   |
| <b>Capacity:</b>   | <ul style="list-style-type: none"> <li>• 15 to 310 scm/min (530 to 10,950 scf/min)</li> <li>• Two speed drop box</li> </ul>   |
| <b>Features:</b>   | <ul style="list-style-type: none"> <li>• Combines the benefits of a wide range of nitrogen flow rate, temperatures, pressure and onboard nitrogen storage</li> <li>• Up to 103 mPa (15,000 psi) maximum working pressure</li> <li>• Temperature range: -20° C to 200° C</li> <li>• Fully automated, direct fired vaporizer</li> <li>• Variable temperature, pressure, flow options</li> <li>• Onboard treating iron</li> <li>• Trailer mounted for rapid deployment and site mobility</li> <li>• Liquid and gaseous nitrogen relief protection</li> </ul> |





**TRANSPORTATION AND STORAGE - STEP Energy Services' nitrogen transport units support nitrogen, coiled tubing and fracturing operations including assisting in underbalanced milling or cleanout operations and coiled tubing purging. The units are designed with pressure build or hydraulic pump off capabilities, increasing the versatility of our nitrogen fleet.**

**TUBE TRAILERS:**

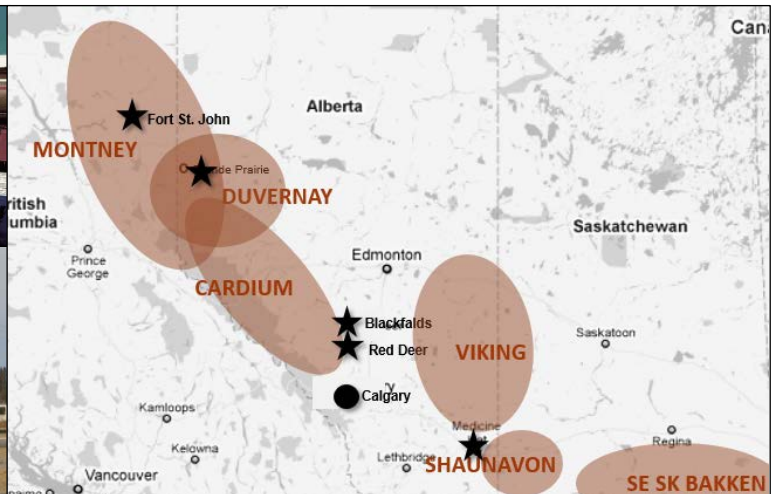
<b>Storage Capacity:</b>	Eight nitrogen tubes with storage capacity 4,330 scm (153,000 scf)
<b>Trailer footprint:</b>	8'6" wide by 42' long
<b>Features:</b>	<ul style="list-style-type: none"> <li>• Trailer mounted supply of gaseous nitrogen</li> <li>• Allows for easy onsite-mobility and simple operation</li> <li>• Maximum discharge pressure - 21 mPa (3,200 psi)</li> </ul>

**BULKERS/TRANSPORT UNITS:**

<b>Storage Capacity:</b>	Up to 22,500 scm (795,000 scf)
<b>Features:</b>	<ul style="list-style-type: none"> <li>• Pressure build and hydraulic pump off capabilities</li> </ul>

**STORAGE KINGS (not pictured):**

<b>Storage Capacity:</b>	60,000 scm (2,120,000 scf)
<b>Features:</b>	<ul style="list-style-type: none"> <li>• Onsite storage with remote control operation</li> <li>• Enhanced delivery system to prevent nitrogen loss</li> </ul>



Our service centers are strategically located to serve clients throughout northeastern BC, Alberta and Saskatchewan.

- Fort St. John
- Grand Prairie
- Red Deer
- Blackfalds
- Medicine Hat
- Calgary (corporate office)

**If you NEED N<sub>2</sub>, contact us to see how our reliable, safety-focused nitrogen professionals can help you.**