



Safety and the Environment



Our commitment to people extends to both the workplace and the communities where we live and operate. Nothing is more important than protecting people from harm and that means safety is never compromised. We strive to reduce our impact on the environment, including responsibly managing our water use, reducing emissions, minimizing land disturbances, and ensuring land is effectively reclaimed.

Responsible drilling and operations

Natural gas drilling and production are regulated by governing bodies in Canada. Progress Energy meets or exceeds regulatory requirements during all aspects of natural gas development and production.

When drilling natural gas wells deep into underground reservoirs, steel casing is cemented into the wellbores to manage pressure and flow of fluids and gas during operations. Pressure tests are conducted on wells to ensure the wellbore is sealed and that it meets safe operating standards and regulations.

Multiple layers of cement and steel casing prevent drilling fluids and natural gas from coming into contact with any underground freshwater sources.



Progress Energy reduces its surface land footprint by drilling multiple wells from the same well pad. Common infrastructure is built between pads to minimize surface disturbance.

Developing and producing natural gas safely also means being prepared in the event of an emergency. Progress Energy has emergency response plans for all operating areas. These plans are continually updated and employees and contractors are trained to respond to emergencies.

Managing our performance

Progress Energy maintains high standards of environmental performance and sustainable development. This is achieved by minimizing our impact on the environment and by working collaboratively with the communities where we operate.

Progress Energy believes that effective management of concerns related to the environment, health, safety and communities are an essential part of our business. We continually look for ways to improve our performance.

Our ongoing work with communities, governments, partners, vendors and other stakeholders means Progress Energy can deliver energy responsibly to Canadians and world markets.



Progress Energy's operations use less than one per cent of the available water source in our region.

Traditional drilling required multiple wells to be drilled on separate pads. By using today's technology multiple wells can be drilled on a single pad, greatly reducing the footprint on the land.

Hydraulic fracturing in Progress Energy's north Montney operations occurs more than 2,000 metres (two kilometres) below the surface, well below any ground water source.

People

AIM ZeRO is a company-wide priority that is core to Progress Energy's culture. AIM ZeRO guides all our employees, contractors and services providers who work each day with the goal of zero safety incidents. We work to achieve this goal by diligently following our ten Zero Tolerance Rules (ZeTo Rules), which outline practices that must be followed to ensure a safe workplace for people and to protect the environment.

Air

Progress Energy is committed to protecting air quality in the areas where we operate. This is accomplished through a focus on active emissions reduction. We monitor and report all emissions, including GHG emissions.

Water

Progress Energy is committed to the responsible use and disposal of water in all its operations. We use technology and industry best practices to ensure water is used efficiently. Our 25-year water use strategy takes individual properties into consideration in order to:

- Safeguard the quality and quantity of regional surface and groundwater resources through sound wellbore construction practices.
- Source alternatives to freshwater as appropriate.
- Recycle water when and wherever possible.

Land

Rigorous land management strategies are a cornerstone of Progress Energy's environmental management system. This includes:

- Optimizing processing plants to reduce impacts.
- Drilling multiple wells on the same pad to reduce overall land footprint and disturbance.
- Reclaiming well sites that are no longer producing.

When a site or facility is no longer operating, Progress Energy begins an extensive remediation and reclamation program. This includes restoring the subsurface and surface environments to conditions that are similar to pre-operations conditions. Well sites and facilities are restored according to provincial regulatory requirements.