

SAGD CO-INJECTION PROJECTS

As a Steam-Assisted-Gravity Drainage (SAGD) reservoir nears the end of its productive life, less steam is required to keep the reservoir hot. The aim of gas co-injection is to inject a non-condensable gas (NCG) into a SAGD reservoir through the existing steam injection well. Prior to injection into the reservoir, the NCG is first heated and measured for regulatory reporting purposes.

A well on NCG co-injection requires less steam, which improves the steam-oil ratio (SOR) and reduces greenhouse gas (GHG) emissions. These projects require multi-disciplinary engineering teams, including mechanical, structural, electrical, instrumentation and controls, and Federation Engineering has the necessary skill sets for a successful project.

- Mechanical engineering
- Process engineering
- Structural engineering
- Instrumentation & controls engineering
- Design & drafting
- Document control
- Procurement

