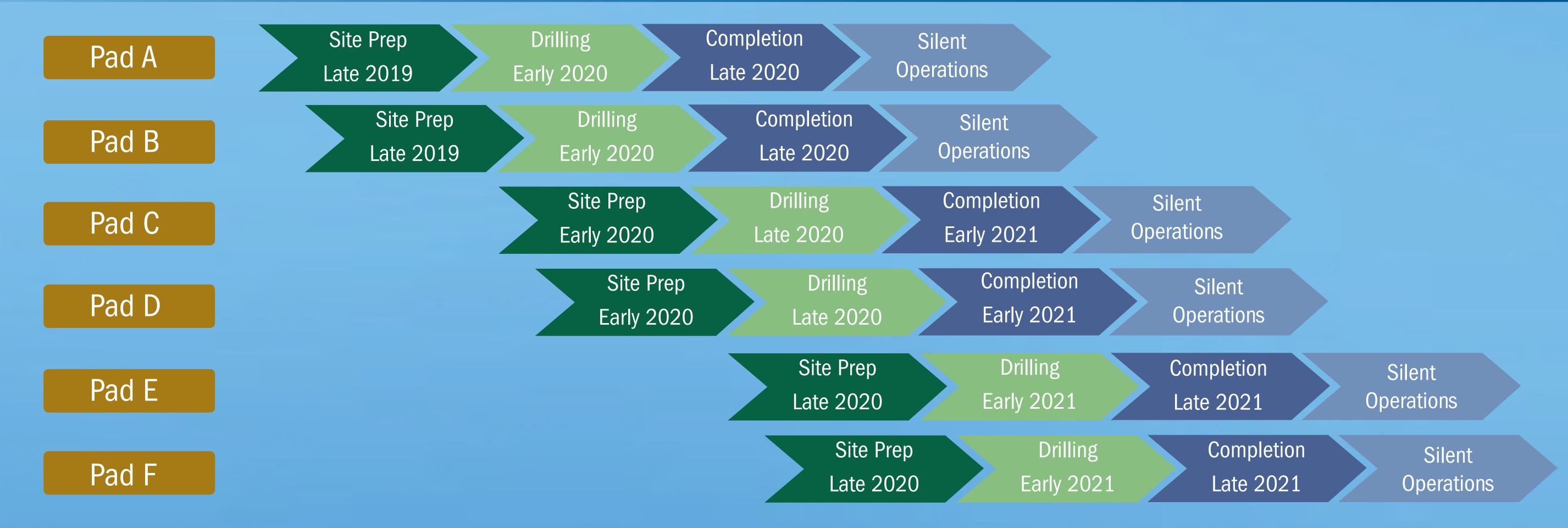
COMMERCE CITY DEVELOPMENT PLAN

Extraction Oil & Gas is proud to be a neighbor and do business in Commerce City

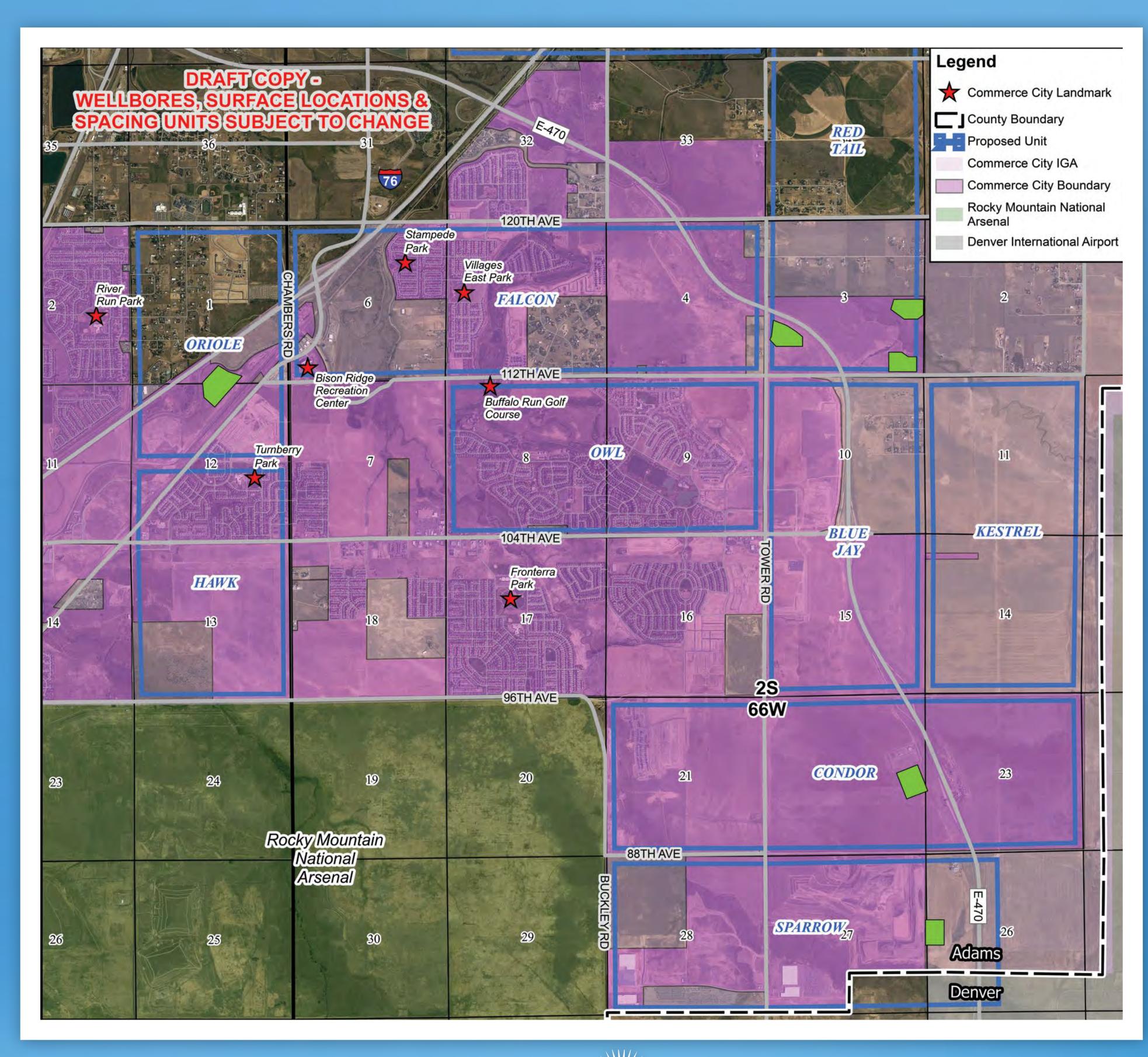


Extraction is currently incorporating City and landowner feedback into its current locations and also considering additional locations.

OUR GOAL

is to operate safely and efficiently and to minimize impacts to the community. We are meeting with members of the community to be sure unique issues are addressed during the planning of this project as well as in the development phase. We encourage residents to reach out with questions or additional feedback at (720) 282-4582 or email to info@extractionog.com.

Operations are planned to occur 24/7 to complete the project as safely as possible. Each pad will have an individual neighborhood meeting as a part of the Commerce City regulatory process.





AIR QUALITY STEWARDSHIP

Extraction
Oil & Gas is
an industry
leader in
engineering
designs that
eliminate
emissions
wherever
possible.



REDUCE EMISSIONS SOURCES

- Eliminates oil and produced water storage tanks from well pads located throughout the community
- Use of pipelines to remove truck traffic from roads
- Access to utility power electric drive engines



ENGINEERING IMPROVEMENTS

- Use of zero or low bleed pneumatic controllers
- Internal Floating Roof (IFR) tanks for control and storage of pressurized oil
- Utilize closed loop engineering designs that eliminate potential emission sources



MONITORING PROGRAMS

- Regular inspections
- Consistently perform Leak Detection and Repair (LDAR) audits, using infrared instruments called FLIR cameras
- FLIR cameras can detect emissions invisible to the human eye



PERSONNEL AND TRAINING

- Meets and exceeds regulations
- Extensive training programs
- Company culture and core values



SOUND MITIGATION

Extraction Oil & Gas is committed to minimizing noise by using industry-leading best management practices that ensure our operations are as quiet as possible.

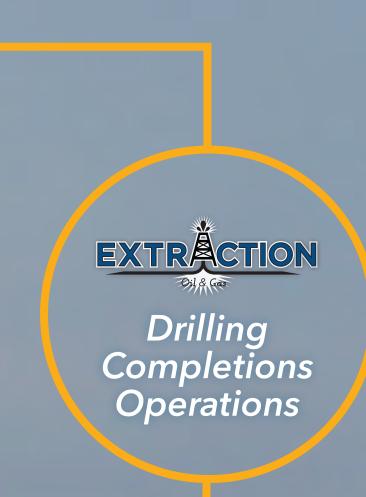
Extraction Oil & Gas employs a number of techniques including sound walls, hay bales and even earthen berms around drilling sites to minimize noise traditionally associated with oil and gas development.

The sound walls are made of an earthen-colored polymer fabric that is designed to absorb sound.

COMMON NOISE LEVELS

Noise Level (dRa)







BENEFITS OF A PIPELINE

WHY A PIPELINE?

Pipeline installation will allow for safe, tankless production of oil, gas, and water. Additional external benefits include:

- Reduced equipment footprint
- Significant reduction in truck traffic
- Substantial decrease in air emissions



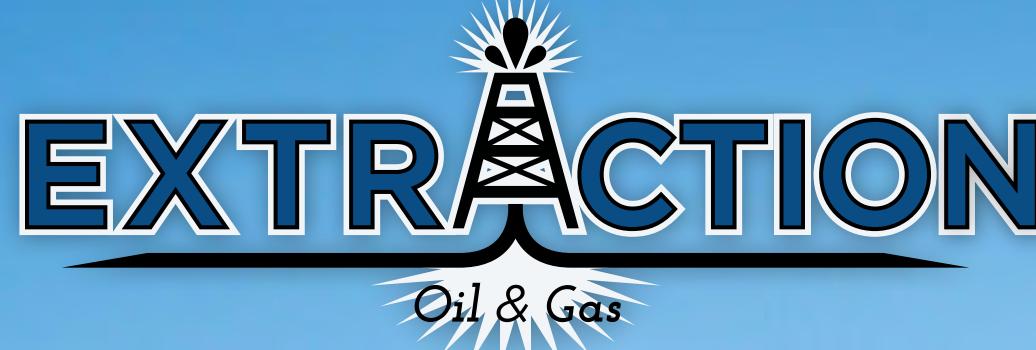
2018 PIPELINE SAFETY STATISTICS

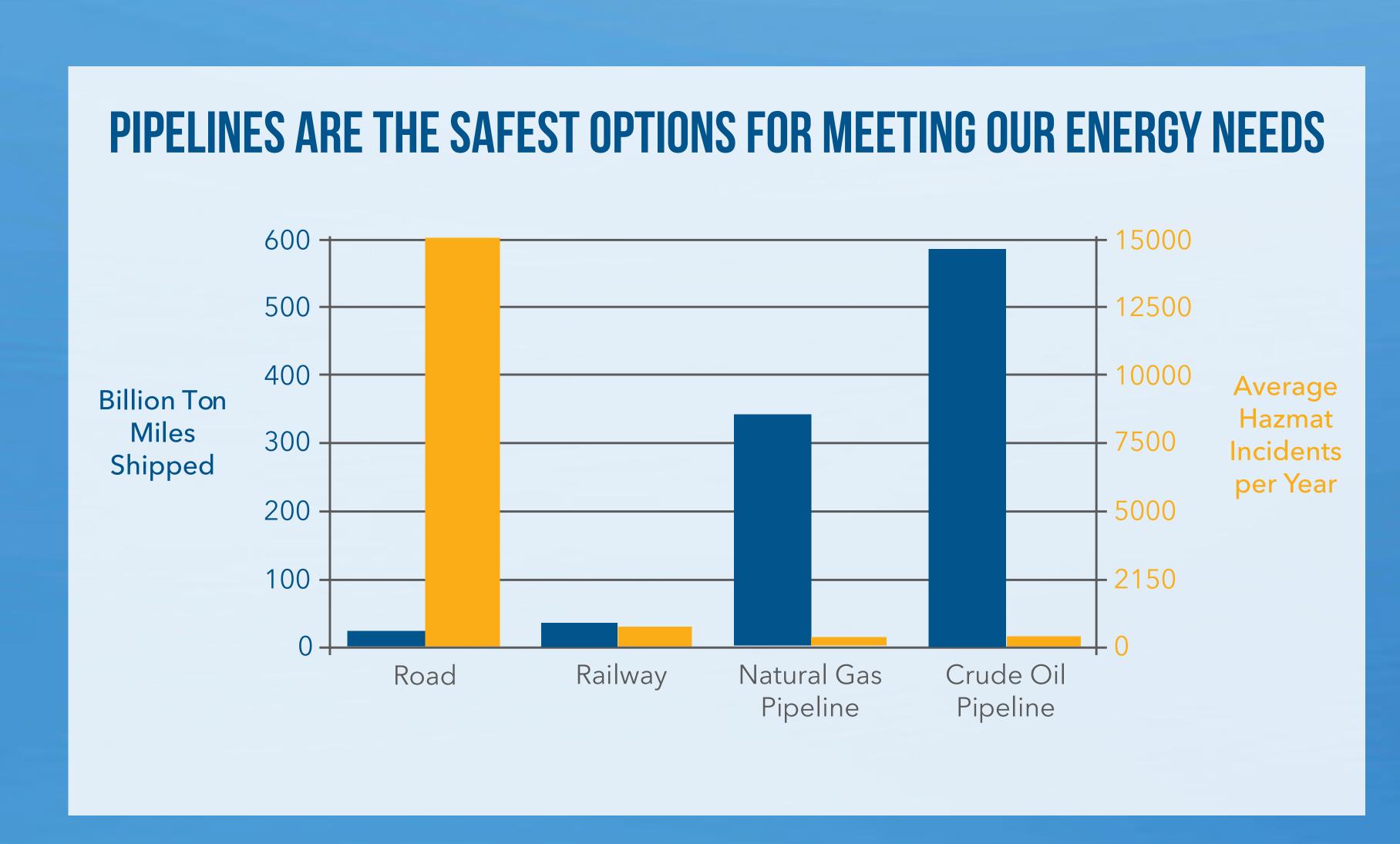
PIPELINES ARE BY FAR THE SAFEST MEANS OF PRODUCT TRANSPORT

PIPELINE SAFETY CONTINUOUS IMPROVEMENT

Per a Pipeline and Hazardous Materials Safety Administration (PHMSA) 2018 report

- Stringent integrity management has increased safety by 3% over the past 5 years.
- Extensive maintenance programs have resulted in a 24% increase in safety over the past 5 years, including:
 - the x-ray and certification of all welds
 - hydraulic testing to 1.5 times the maximum operating pressure
 - 24/7 pipeline monitoring
 - remote operations and leak detection





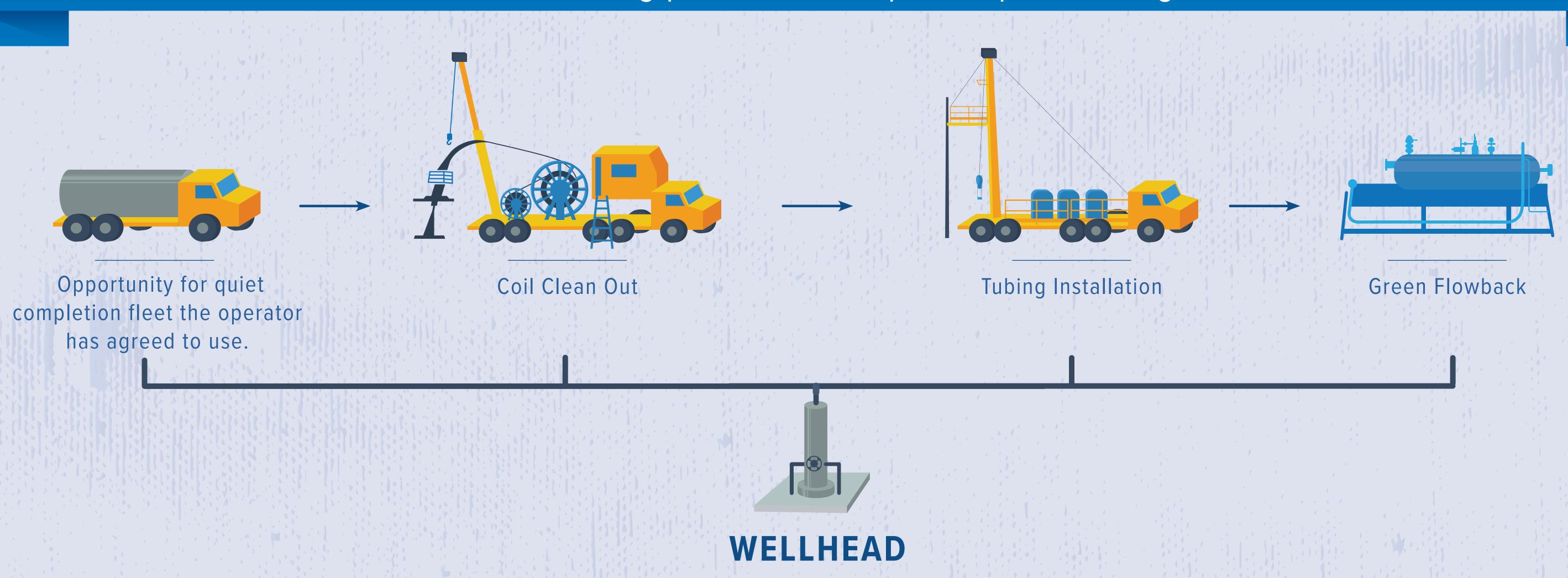
Already the safest mode of product transportation and continuing to enhance safety practices.

Total incidents impacting the public or the environment declined 19 percent over the last 5 years (2013 - 2017).



COMPLETIONS PROCESS

After the drilling phase, the completion process begins



SUPPORTING TECHNOLOGY



Surface distribution system will bring fresh water to location.



Freshwater stored in modular large volume tanks.

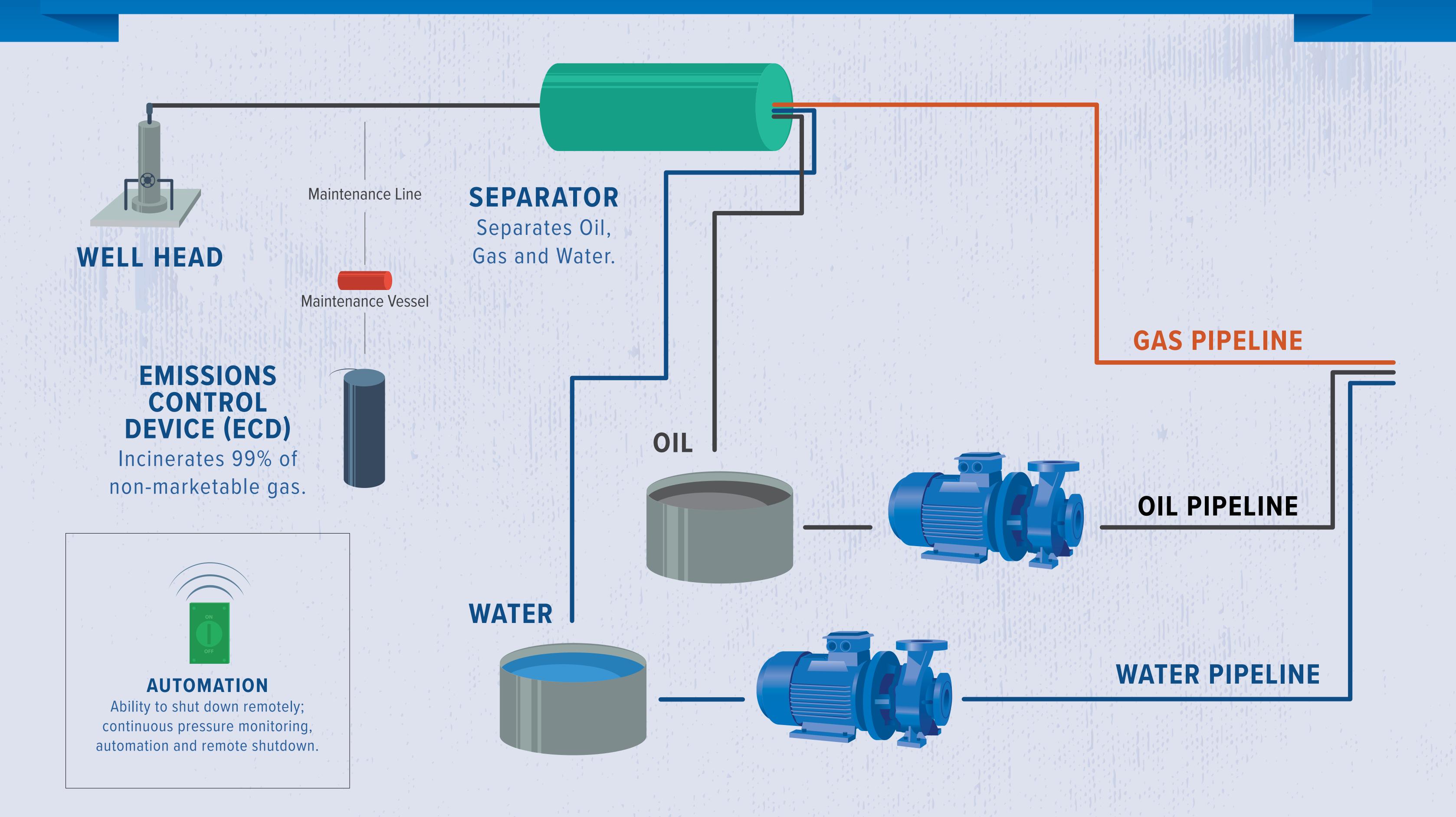


Sand is transported to location in containers, minimizing noise, dust and traffic and reducing wait time.

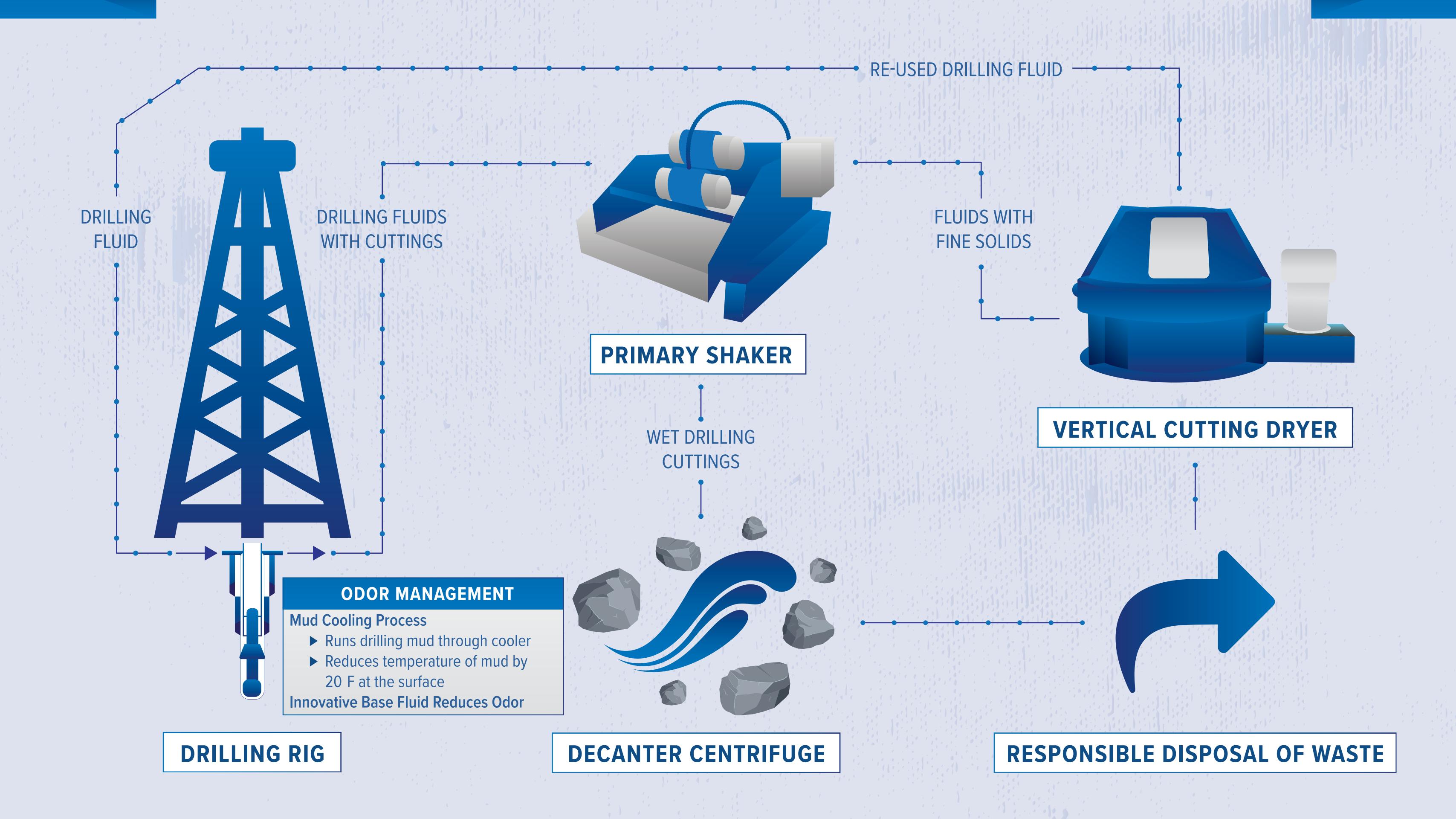


Updated processes that utilize the latest technology to reduce time on location and emissions.

CLOSED-LOOP PRODUCTION SITE



CLOSED-LOOP DRILLING SYSTEM



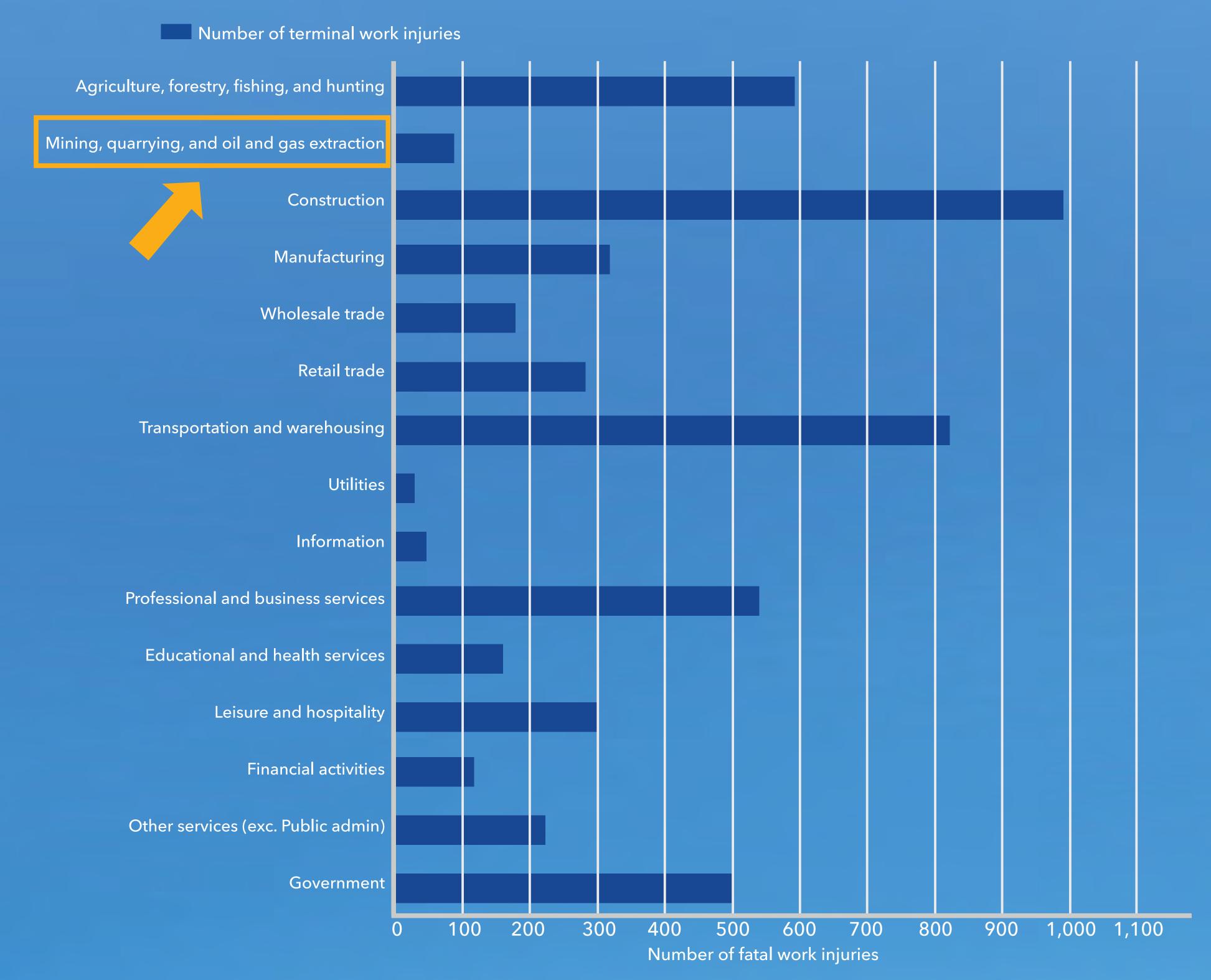
OPERATIONAL SAFETY

Safety is our highest priority and one of our core values. Our success is defined by our safety record. Extraction values its trained, experienced and professional staff who adhere to our high safety standards and best management practices.

Colorado has the strictest regulations on oil and gas development in the country. **Extraction goes above and beyond these regulations with its best management practices.** In fact, the Colorado Department of Public Health & Environment awarded Extraction its Gold Environmental Leadership Award for its industry-leading work in developing oil and gas in a responsible manner and making safety and sustainability a cornerstone of its operations.

Continuous Commitment to Safety in an Already Safe Industry U.S. Bureau of Labor Statistics: Oil & Gas ranks in the top 10 safest industries

Number and rate of fatal work injuries, by industry, 2016



Source: U.S. Bureau of Labor Statistics.



Collaborative effort with area emergency responders providing resources and training



Overall, oil and gas is among lowest fatal work injuries

Extraction Oil & Gas: Safe, Responsible & Reliable



1,221,000

hours without an employee lost time incident (as of Q3 2018)



GOLD

GOLD Leader Award from Colorado's Dept. of Public Health & Environment



PLATINUM
FACILITY

Awarded to top
10% of companies
with a
demonstrated
mastery over risk
control and
implementation



AWARD WINNER

2018 Rocky
Mountain
"Operator of the
Year" and Award
for "Corporate
and Social
Responsibility"



REMOVAL OF LEGACY SITES AND RETURN OF LAND

STEP 1

Permitting & Notifications

- » Notification to COGCC of Intent to Plug
- > 48-hr notice to COGCC
- » Notice to Local Government
- » Notice to Surface Owner
- » Notice to Surrounding Community

STEP 3

Well Abandonment

- » Workover rig plugs the well
- » Process takes approximately1 week per well

STEP 2

Equipment Removal

- » All equipment flushed and plugged or removed according to COGCC regulations
- » All above ground equipment removed

STEP 4

Reclamation

- » Seeding and revegetation
- » Notification to COGCC as plugged

