



# PetroShale

C a l g a r y • D e n v e r

Our Commitment to  
Environment, Social & Governance (“ESG”)

March 2020

# PetroShale's Approach to ESG

- **Core Values**

- **Commitment:** *uphold our commitment to responsibility by ensuring health & safety of all stakeholders, focusing on continuous improvement and going beyond words to truly demonstrate trust and integrity.*
- **Accountability:** *we are defined by the way we conduct everyday business, and our strong governance strategy ensure accountability and the highest standards of professional practice across the organization.*
- **Sustainability:** *we recognize the importance of protecting the areas in which we operate and are actively working to care for our surroundings by focusing on responsible and sustainable business practices.*
- **Environment:** *we are committed to environmentally responsible development through: the use of closed-loop drilling systems; continuous flaring reduction initiatives; pipeline connections in lieu of trucking; comprehensive asset integrity program to prevent releases or equipment failure.*



# Our Five Pillars of ESG

## Governance & Board Oversight

- High level of engagement & oversight
- Comprehensive & diverse knowledge-base and over 170 years of combined experience in O&G management



## Environment: *spills, water use & land use*

- Prevention, minimization, and transparency are the foundations to PSH's environmental program
- Committed to meeting or exceeding Federal, State, and Tribal environmental regulations across our operations



ESG Pillars

## Health & Safety

- Deliver secure, safe working environment for all employees and contractors
- Guarantee rapid and thorough reaction in response to incident



## Social Engagement & Culture

- Promote corporate culture of accountability and inclusivity
- Create and maintain positive impact in the communities in which we operate through engagement, job creation and economic growth



## Emissions

- Quantify, monitor and track GHG emissions
- Committed to controlling and minimizing GHG emissions and identifying opportunities for further emissions reductions across operated assets





- Board independence:
  - **83%:** 5 of 6 Board of Directors are independent
- Board of Directors present a diverse skill set and knowledge base that aligns with PetroShale's ESG strategy & business objectives:
  - Oil & gas industry knowledge
  - Corporate Governance
  - Finance
  - M&A, Due Diligence, & Strategic Planning/Growth
  - Risk Management & Evaluation
  - Senior Leadership
  - Strategic Management



- PSH's top priority is keeping our employees, contractors and community safe. We have built a safety mindset into our business decisions and day-to-day operations through:
  - Visible commitment from leadership and management team to prioritize safety at all levels of the organization;
  - Ensure all employees exhibit working knowledge of health & safety topics;
  - Eliminate lack of competing priorities – safety comes first, every time!;
  - Financial investment in promoting and complying with health & safety initiatives - at PSH we view the health and safety of ALL as an investment, not a cost;
  - Safety is a condition of employment; and
  - Safety is the first item on the agenda of every meeting.

PSH is committed to meeting or exceeding rigorous Federal, State and Tribal environmental regulations and implementing best practices and innovative measures to reduce our environmental footprint throughout the life cycle of a well - from planning and permitting, stakeholder consultation, construction, operations and abandonment and final reclamation.

### **SPILLS/RELEASES:**

- Prevention and minimization of spills and releases are the foundations to PSH's environmental management program.

### **WATER USE:**

- PSH takes water use and consumption seriously and carefully considers location, impact, regulation, cost and logistics when sourcing and transporting water for use in our operations.
- PSH is actively investigating safe and environmentally acceptable procedures for using produced water and recovered frac water in our drilling and completion activities on a larger scale. Currently Petroshale uses small volumes of recovered frac water and produced water in its workover operations. All movement of frac water and produced water is done in a responsible manner.

### **LAND USE:**

- PSH performs thorough environmental reviews and engages stakeholders early in the planning process to assess and minimize environmental impacts to sensitive resources, waters of the U.S., and culturally significant sites.
- PetroShale has “exported” and implemented Canadian best management practices across our Bakken operations through: closed-loop drilling, green completions, and building and maintaining state-of-the-art new facilities.
- PetroShale has also built and maintained meaningful relationships with the US Forest Service – McKenzie Ranger District, Bureau of Indian Affairs, MHA Nation and allottee and private landowners, Bureau of Land Management – Dickenson Field Office, the North Dakota Industrial Commission (NDIC), among others.

## MONITORING EMISSIONS

- PSH recognizes that greenhouse gas (GHG) emissions are a global concern and is committed to actively monitoring and measuring emissions from our operations through the following initiatives:
  - **Leak Detection & Repair (LDAR) Program:** using optical gas imaging (OGI) and flame ionizing detectors (Method 21) to identify gas leaks not visible to the naked eye. OGI/Method 21 inspections are supplemented with audio, visual, olfactory (AVO) surveys.
  - **Federal Implementation Plan (FIP) Inspections:** perform tank and flare inspections for facilities subject to the Williston Basin FIP.
  - Completed a **baseline fugitive emissions audit** across all PSH assets to quantify and track emissions sources and identify opportunities for further emissions reductions and operational improvements.

## EMISSIONS REDUCTIONS

- PSH is committed to reducing emissions through:
  - Green completions;
  - Utilizing multi-well pads and centralized tank batteries, where feasible;
  - Installation of emission control equipment and blowers at all tank batteries to capture vapor and methane and route it to a high-efficiency combustion device;
  - Avoiding use of high-bleed pneumatic controllers;
  - Implementation of a successful LDAR program, repairing leaks in a timely manner, and confirming integrity of repairs;
  - Reduce flaring through early engagement with third-party gas gatherers to ensure gas lines are installed with sufficient capacity prior to bringing wells onto production;
  - Tying into electricity infrastructure to power equipment on-site (vs. fuel power), where technically and economically feasible;
  - Use of temporary water lines for completions operations to reduce truck traffic associated with water transport; and
  - Actively engaging with industry peers, service providers, and regulatory agencies to identify and adopt cost-effective technological advancements and best practices to further reduce emissions and increase efficiencies.

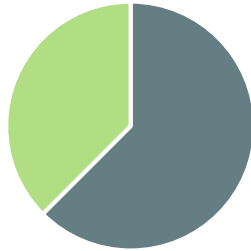
## Pillar Five: SOCIAL ENGAGEMENT & CULTURE



### CORPORATE CULTURE

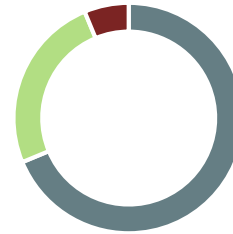
- PSH believes in promoting a culture of accountability & inclusivity and the company adheres to all applicable workplace, employment and privacy standard and regulations.
- PetroShale employs a diverse, well rounded staff from our Calgary, Denver, and North Dakota offices:

#### Gender



■ Male ■ Female

#### Nationality



■ USA ■ Canadian ■ Other

### SUPPORTING LOCAL COMMUNITIES & STAKEHOLDERS

- PSH's commitment to responsible energy development has a direct impact on the communities in which we operate by driving job creation and economic growth.
- PSH operates on the Fort Berthold Indian Reservation in North Dakota and is proud of the relationship we have built with the MHA Nation/Three Affiliated Tribes and we respect their culture, history and way of life.