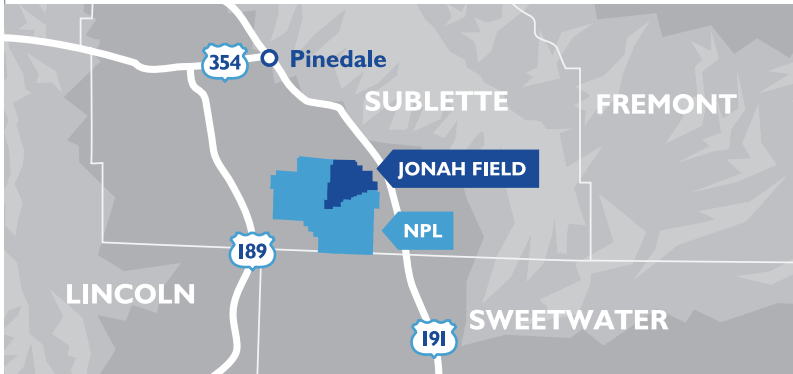


# THE NORMALLY PRESSURED LANCE (NPL) NATURAL GAS DEVELOPMENT PROJECT WILL BENEFIT WYOMING COMMUNITIES.



## Overview

The Normally Pressured Lance (NPL) Project encompasses 140,859 acres immediately south and west of the existing Jonah Field. Long-term development potential includes a maximum of 3,500 directionally drilled wells to produce natural gas and oil. The project includes significant environmentally sustainable practices.

## Project process:



## Who is Jonah Energy?

Jonah Energy LLC was formed in the spring of 2014 with the acquisition of producing assets within the Jonah Field in Sublette County, Wyoming. We are one of the largest privately held natural gas producers in the US. To learn more about Jonah Energy LLC go to [www.jonahenergy.com](http://www.jonahenergy.com).

## Our Approach

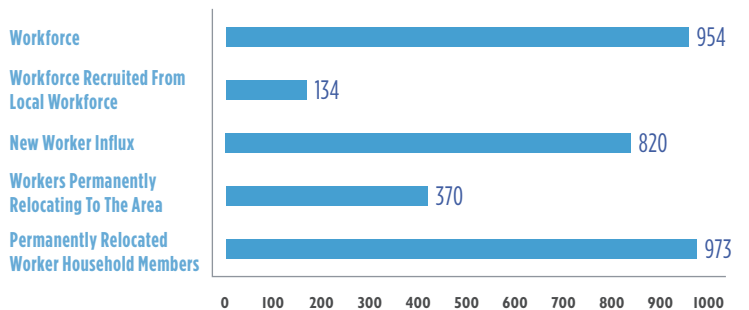
Jonah Energy LLC firmly believes in collaboration with the BLM, State of Wyoming, environmental organizations, and other stakeholders in an effort to develop sound science to guide our management decisions and minimize impacts to sensitive resources with the goal of producing domestic energy. Jonah Energy has committed to a host of measures designed to reduce the NPL Project's impacts on air quality, wildlife and soils, through measures that include field-wide avoidance and minimization of wildlife habitats, cutting-edge emission reduction and a strong commitment to cooperate with key stakeholders. We respect each other and our communities. We operate safely, respect the environment, obey laws, and are a responsible corporate citizen.

## Jonah Energy Royalty and Tax Summary

	If fully developed, potential of the following:
Federal Royalties	\$2,231,200,000
WY Severance Tax	\$1,071,000,000
Local Gross Products Tax	\$1,051,300,000
WY Sales Tax	\$611,500,000

## Workforce impact of the NPL Project\*

*The numbers are based on BLM analysis and are approximate.*



\*Proposed Action & Alternative B For Years 1–10

## Potential Benefits of NPL

BLM analysis estimates the following:

- Creation of more than 700 stable full-time jobs in Wyoming
- Reliable long-term clean energy source—5.25 trillion cubic feet of gas
- \$2.2 billion in royalties, half would go to the state of Wyoming
- Secure source of domestic energy produced in Wyoming
- Environmentally sustainable development

## Reducing air emissions in Wyoming

Jonah Energy minimizes emissions of nitrogen oxides (NOx) and volatile organic compounds (VOC) from natural gas production and gathering activities in the Jonah field and the future NPL project by:

- Gathering system pressure reduction
- Continuing facility consolidation and upgrades
- Utilizing clean natural gas as a fuel source for drilling, completions and production operations
- Implementing flareless flowback green-well-completion techniques
- Implementing an enhanced directed inspection and maintenance program, FLIR, to reduce VOC emissions
- Installing remote telemetry process equipment monitoring
- Generating 1.74 Megawatts a day of solar and fuel cell energy to power well-automation

## Operator committed practices

Throughout the NPL EIS process, the BLM, cooperating agencies, Jonah Energy, and other entities identified a range of resource protection measures that will reduce or eliminate potential adverse impacts - including Operator-Committed Practices (OCPs). The OCPs were developed by a diverse group of sixteen area residents representing small business, elected officials, sportsmen, ranching, the environmental community, and others who identified key issues and concerns to be addressed prior to, and during development of, the NPL Project. This approach provided local residents with enhanced community input into the pre-planning and NEPA analysis process. Jonah Energy reviewed the OCPs and adopted the recommendations for the Proposed Action. The BLM considered and incorporated seventy OCPs into the NPL Final EIS.

## What Happens Next?

Jonah Energy's Proposed Action balances economic growth, stability and environmental protections. The BLM should issue a record of decision in 2018 detailing the most appropriate level of operational flexibility and regulatory compliance to achieve that balance. Development will begin a few months after the record of decision is released.

A proven innovator in every area of oil and gas production, Jonah Energy has world class programs in place for NPL to preserve the environment, as well as create permanent jobs and tax revenue to support Wyoming's cities, counties and state.

## Pioneering new techniques and technology

Based on the proposed action, all gas, water and condensate will be collected in a closed-loop three-phase gathering system that:

- Significantly reduces air emissions
- Will require limited gathering facilities
- Focuses human activity more at central locations

## Wildlife protection

Jonah Energy is a recognized leader in improving wildlife habitat within project areas.



- Wildlife habitats have been identified and will be protected
- Significant protection measures voluntarily in place to protect sage grouse and their habitat
- Directional drilling minimizes wildlife impacts and surface disturbance

## Groundwater protection

Jonah Energy is committed to protect water resources in the project area.

- Best Management Practices will control surface runoff and protect natural drainages
- Comprehensive groundwater sampling and testing program to monitor groundwater quality

## Surface disturbance and reclamation

Jonah Energy respects the land and our neighbors who live and work nearby.

- During the project, only 4.5% of the leased acres will be impacted short-term, and all but approximately 1% will be reclaimed
- Best Management Practices will be implemented to protect soil properties
- Directional drilling on multi-well pads will minimize impacts
- Minimal access roads and equipment areas will be maintained