



# POWERING ALASKA'S FUTURE WITH INNOVATION AND SUSTAINABILITY

October 3, 2024



[www.usibelli.com](http://www.usibelli.com)







**USIBELLI COAL MINE**  
HEALY, ALASKA



**Celebrating 81 years  
of Usibelli leadership**



**Emil Usibelli**

1943, at age 50, Emil founded the coal mine



**Joe Usibelli**

1964-1987, Emil's son, Joe, served as president. 1987 until his death in 2022, served as chairman of the board.



**Joe Usibelli Jr.**

1987-current, Joe Jr. has led the company. This year marks his 36<sup>th</sup> anniversary.



SAFETY AT OUR CORE:

DEDICATED TO MAINTAINING  
SAFETY AT WORK, AT HOME,  
AND AT PLAY.

TOP 3  
Safety  
Milestones

- 1<sup>st</sup> 1,214 DAYS  
2024
- 2<sup>nd</sup> 1,085 DAYS  
2020
- 3<sup>rd</sup> 797 DAYS  
2006





# Overview of Usibelli Coal Mine



**~1  
million**  
tons to be  
produced  
this year

**~80  
million**  
tons of proven  
coal reserves under  
current mining  
permits

More than  
**400  
million**  
tons of proven  
coal reserves in  
the area

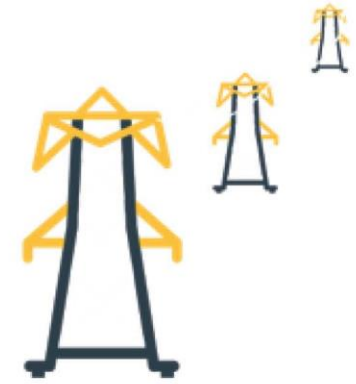
**100%**  
of Alaska's  
coal demand  
is supplied to 6  
coal-fired  
power plants

# Interior Alaska's Existing Energy Infrastructure & Supply

165 megawatts of total capacity



**HEAT**



**POWER**



**Fort Wainwright  
Army Post**

**20 MW**



**Golden Valley  
Electric Association**

**25 MW & 50 MW**



**University of Alaska  
Fairbanks**

**17 MW**



**Eielson Air Force  
Base**

**25 MW**



**Aurora Energy**

**28 MW**



# ECONOMIC IMPACTS OF COAL



**322**

Number of direct & indirect jobs statewide



**\$48.6 MILLION**

In total direct & indirect wages statewide



**\$30.4 MILLION**

spent with 300 different suppliers, service providers, and organizations in Alaska.



**\$~300 MILLION**

In ratepayer savings on heat and power costs in Interior Alaska

SOURCE: McDowell Group



**WE ARE USIBELLI COAL MINE.** A reliable and affordable energy solution for the Railbelt & Interior Alaska.



# Tipple Facility Electrical Upgrade

\$1+ million capital improvement  
investment



**Improved Power Factor:**  
Reduces energy waste  
and boosts efficiency.



**Lower Maintenance  
Costs:** Modern  
equipment minimizes the  
need for frequent  
repairs.



**Enhanced Safety:**  
Updated systems  
prioritize employee  
safety and operational  
security.



**Local Workforce:**  
Constructed using local  
contractors and Usibelli  
employees, supporting  
the community and  
local economy.



**Resiliency and  
Efficiency:** Ensures long-  
term operational stability  
with modern, reliable  
technology.



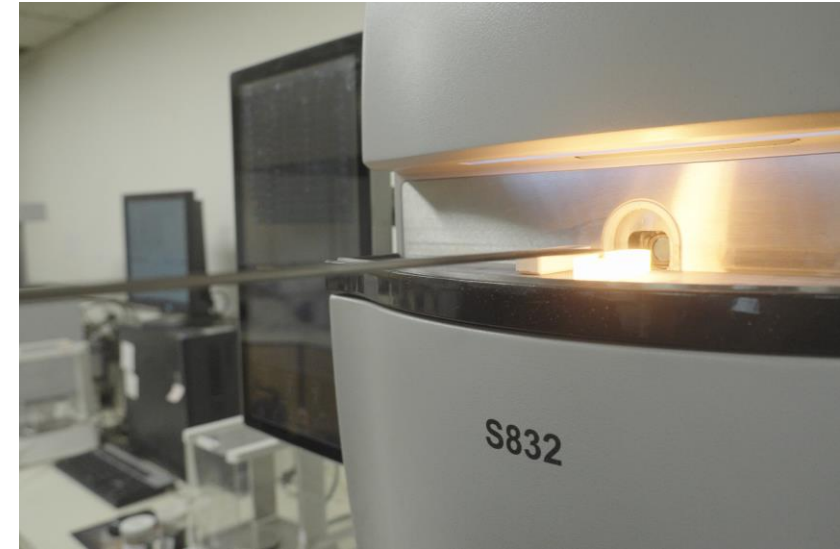
# Innovation & Advanced Technology



Harnessing renewable energy to support operations and reduce environmental footprint.



Enhances surveying and monitoring of mine operations, improving efficiency, safety, and data collection.



Advanced coal and water testing tools ensure quality control and environmental compliance.

# Leaders in Environmental Stewardship

**Phase 3 Bond Release:** Gold Run Pass and Poker Flats Mines – only one other Alaska mine has achieved this level of reclamation success.

**Summer Reclamation Internship:** Hands-on opportunities for local and college students to engage in environmental stewardship.

**25,000+ Trees Planted:** Interns contribute to restoring the land through extensive tree planting and rehabilitation efforts.

**Commitment to Sustainability:** Usibelli's long-term investment in restoring and preserving Alaska's natural landscapes.



Poker Flats Mine



Gold Run Pass Mine





# Badlands Extension of Two Bull Ridge

Active mining  
is nearing  
completion

Continued  
focus on  
reclamation







# Celebrating 10 Years at Jumbo Dome

October 2014 – First Coal Haul



# Jumbo Dome Mine



**1974** – Exploration started

**2008** – Haul road construction began

**2012** – Permits issued

**2014** – First production

**More than 50+ years of production on current permits with future expansion potential**





# Powering the Next Generation

- A new powerline project will extend existing powerlines ~10 miles to connect Jumbo Dome, a significant capital investment project.
- Will replace over 1M kWh of diesel-fired electricity generation per year.
- Enables existing and future operations at Jumbo Dome and beyond.







# The Future of the Ace-in-the-Hole?

A 13-mile “walk” to Jumbo Dome Mine



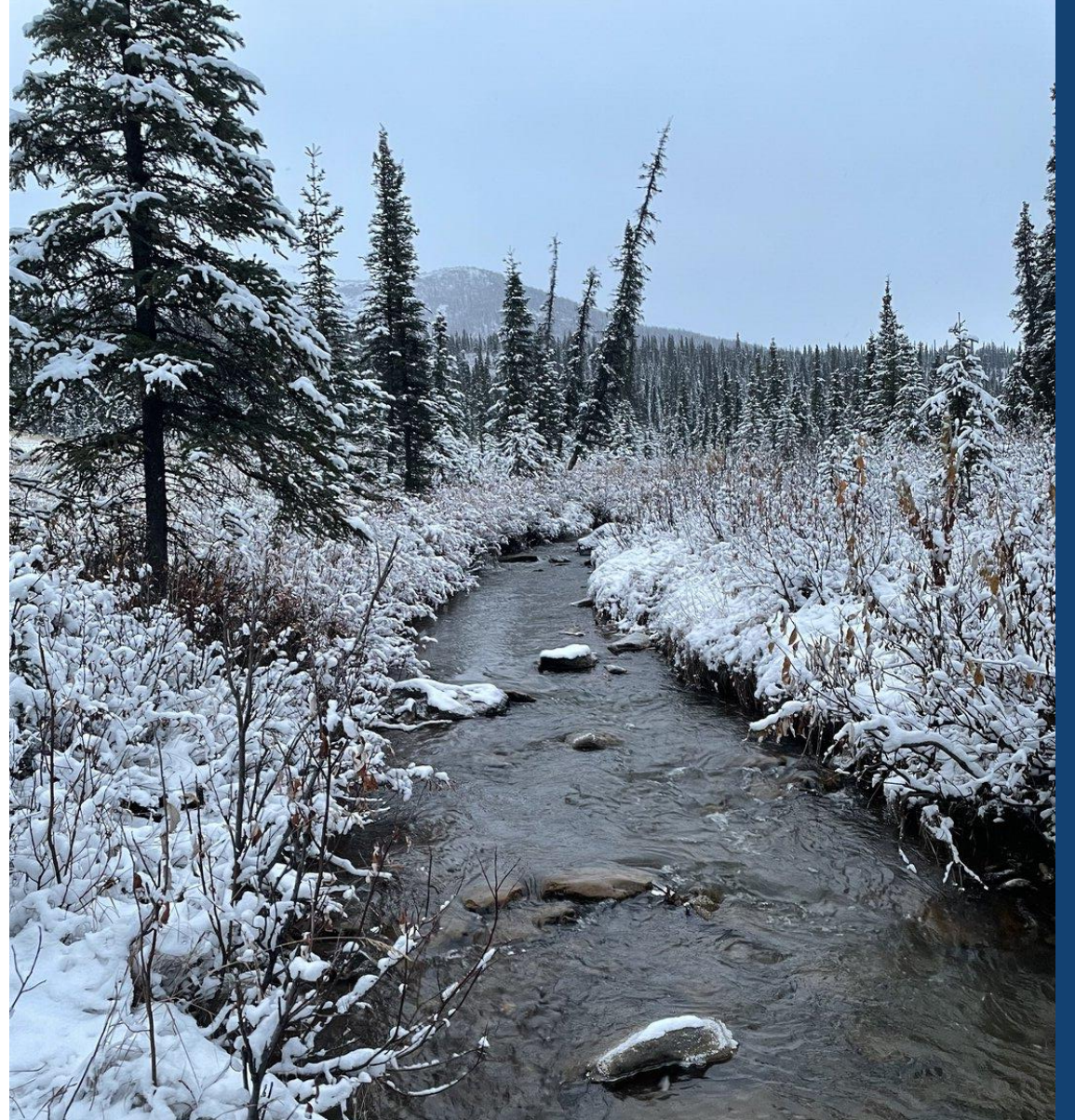


# Jumbo Dome Mine





# Jumbo Dome Mine







**THANK YOU!**



**USIBELLI  
COAL MINE**