





Alaska Graphite

Tech Materials for Global Ingenuity

Presentation to:

UAF/DGGS CORE-CM Stakeholders

January 18, 2022

Forward-Looking Statements

This presentation contains "forward-looking statements" which are made as of the date it is presented and Graphite One Resources Inc. ("the Company") does not intend, and assumes no obligation, to update these forward-looking statements. Forward-looking statements include, but are not limited to, statements with regard to the actual ability to produce graphite in any form, including spherical graphite, ultimate further and final results of additional test-work, progress of the Company, the timing and successful completion of the preliminary feasibility and feasibility studies, industry and Company projections regarding graphite demand, electric vehicles and power storage devices, results of studies being accurate regarding characteristics of the Graphite Creek mineralization, the timing, amount and success of future exploration and exploitation activities, and events or developments that the Company expects.

Information concerning measured, inferred and indicated mineral resource estimates also may be deemed to be forward-looking information in that it reflects a prediction of the mineralization that would be encountered if a mineral deposit were developed and mined. Although the Company believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those in the forward-looking statements.

Forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or developments of the Company to be materially different from those in the forward-looking statements. Such factors include, among others, results of product development test work may not be indicative of the advancement of the project as anticipated, or at all, market prices, exploitation and exploration successes, continuity of mineralization, uncertainties related to the ability to obtain permits, licenses and title delays, changes in government policies regarding mining and natural resource exploitation, accidents, labour disputes and other risks of the mining industry; ability to get or delays in obtaining capital and financing, and general economic, market or business conditions.

Readers are cautioned not to place undue reliance on this forward-looking information, which is given as of the date presented. For more information on the Company, investors should review the Company's continuous disclosure filings that are available at www.sedar.com.

Topics for Today:

- Why Graphite?
- Global Supply & Demand
- America's Tech Material Supply
- Graphite One Overview
- Next Steps and Path Forward

Why Graphite?

Graphite Beneficial Properties



**HIGH THERMAL
CONDUCTIVITY**



**HIGH
LUBRICITY**



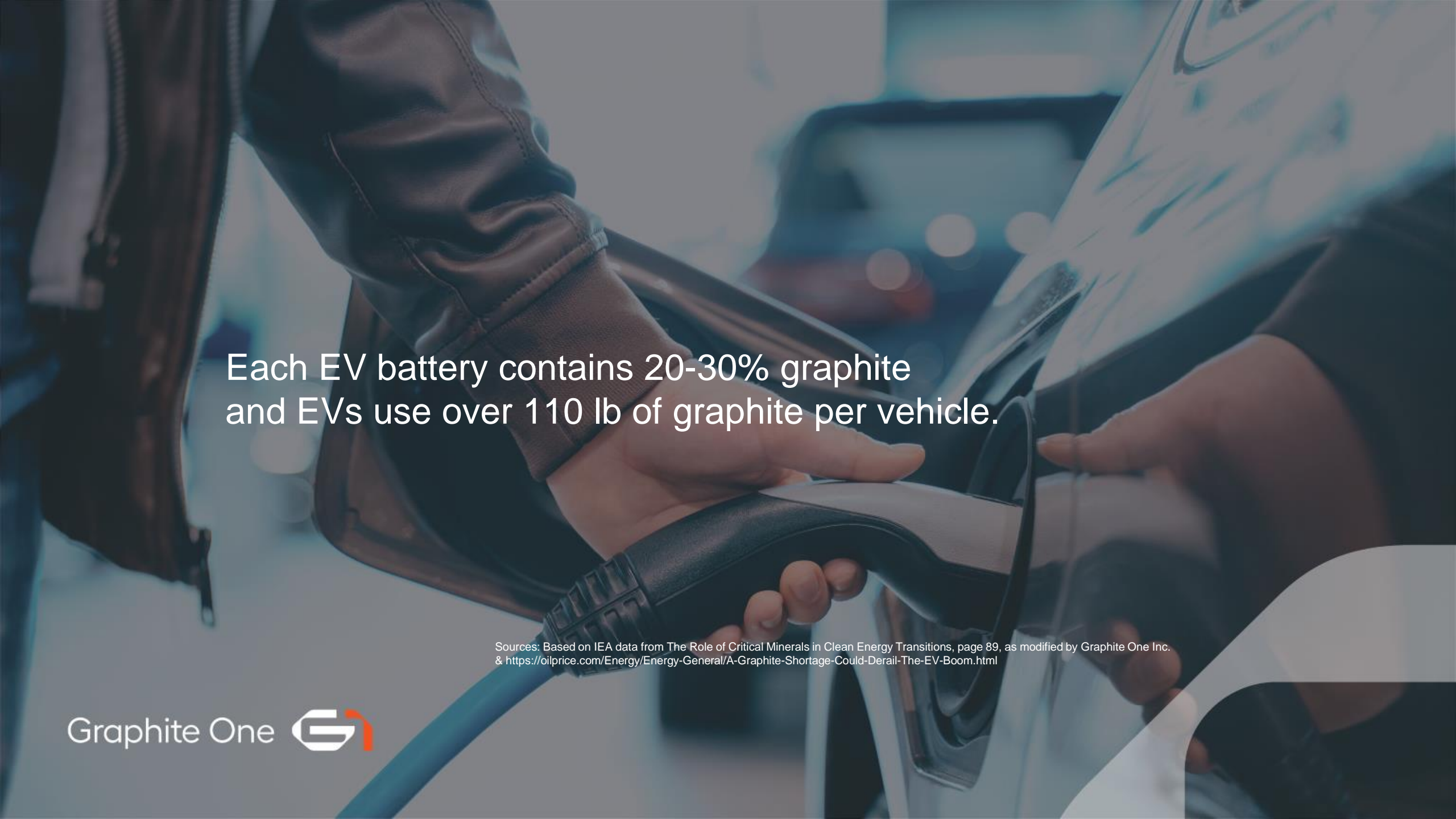
**HIGH ELECTRICAL
CONDUCTIVITY**



**LIGHT
WEIGHT**

Uses of Graphite

- Energy Storage:
 - Anodes for batteries, fuel cells, capacitors
- Engineered Products:
 - expandable graphite (fire retardants)
 - friction products (brake, clutch linings)
 - ceramics (heat shields, industrial bearings, medical devices)
 - carbon brushes (electric motors)
 - graphite foils (high temperature gaskets, valve packing, seals)
- Additives to improve electrical & thermal conductivity (graphite & graphene)
 - lubricants
 - low friction paints, conductive coatings, conductive inks
 - polymers & plastics

A close-up photograph of a person's hands plugging a black charging cable into the port of a silver electric vehicle. The person is wearing a brown leather jacket. The background is blurred, showing other vehicles and a parking lot. The image has a blue-tinted overlay.

Each EV battery contains 20-30% graphite
and EVs use over 110 lb of graphite per vehicle.

Sources: Based on IEA data from *The Role of Critical Minerals in Clean Energy Transitions*, page 89, as modified by Graphite One Inc.
& <https://oilprice.com/Energy/Energy-General/A-Graphite-Shortage-Could-Derail-The-EV-Boom.html>

Flake Graphite Lithium-Ion Battery Demand



2020 demand

Flake Graphite Battery Demand
≈ 350,000 Tonnes



2030 demand

Flake Graphite Battery Demand
≈ 3.3M Tonnes

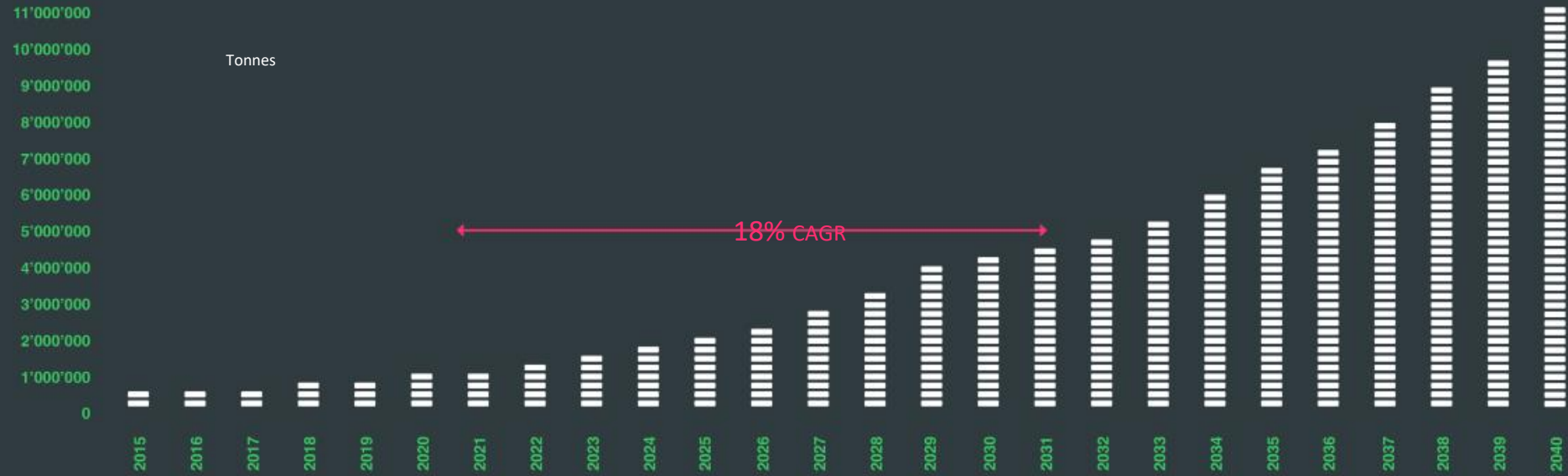
Source: Based on BENCHMARK MINERAL INTELLIGENCE's Forecast

= 35,000 tonnes



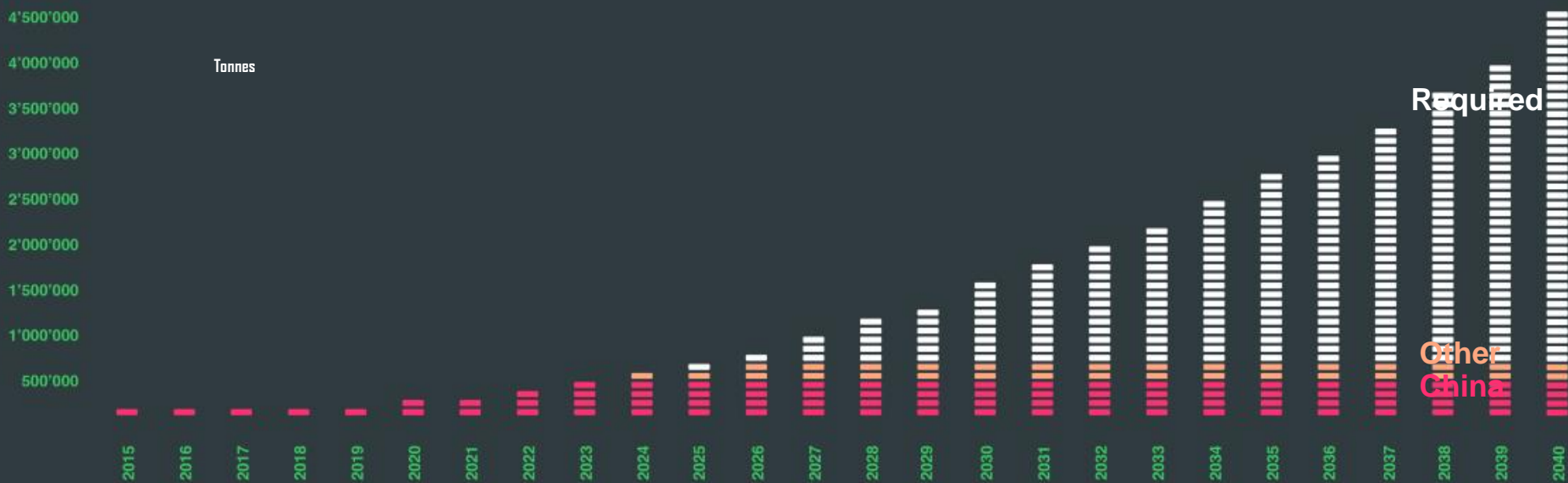
Supply & Demand

Flake Graphite (-100 Mesh) Demand Forecast



Source: Based on BENCHMARK MINERAL INTELLIGENCE's Forecast

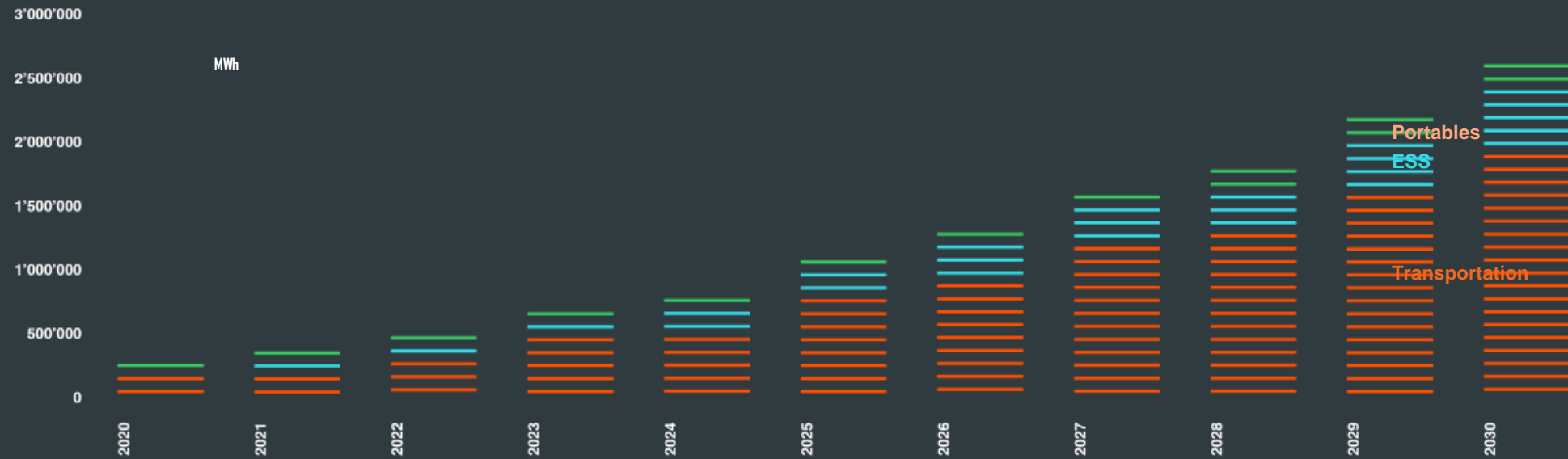
Spherical Graphite Production Capacity



Source: Based on BENCHMARK MINERAL INTELLIGENCE's Forecast

**The United States has not produced ANY natural graphite since 1990.
China is by far the largest producer of natural graphite, accounting for roughly two thirds of world production.**

Lithium-Ion Battery Demand Forecast



Source: Based on BENCHMARK MINERAL INTELLIGENCE's Forecast

"The key to the momentous global energy transition is what [Goldman Sachs](#) calls the "great battery race", and while attention has been absorbed by lithium, one critical mineral in the battery mix is possibly the most lucrative back door entrance into this race.

*The mineral is **graphite**, and it is the key element that forms the anode of the lithium batteries."*

Sources: <https://oilprice.com/Energy/Energy-General/A-Graphite-Shortage-Could-Derail-The-EV-Boom.html>

Alaska Graphite

G1 Project

Graphite One 

Graphite Creek Deposit Location

★ Project Site

○
NOME

ALASKA

Measured & Indicated Resources (2019)

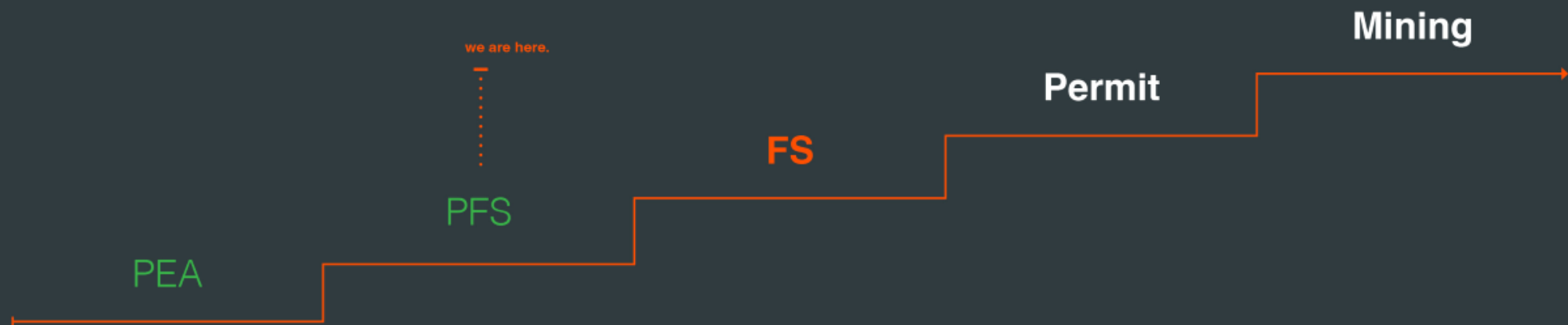
| | TONNES | GRADE | CUT-OFF | IN-SITU CG |
|----------------------|----------------|--------------|----------------|-------------------|
| MEASURED | 1.69MM | 8.0% | 5.0% | 135,17t |
| INDICATED | 9.26MM | 7.7% | 5.0% | 715,363t |
| TOTAL M&I | 10.95MM | 7.8% | 5.0% | 850,534t |
| INFERRED | 91.89MM | 8.0% | 5.0% | 7,342,883t |

G1 Proposed Project

Schematic based on the PEA



Major Milestones



Alaska Graphite


G1 2021 Field Program

Graphite One The logo for Graphite One, featuring a stylized 'G' with an orange and grey color scheme.

2021 Field Program

- Remote Camp at Project Site
- Core Drilling
 - 6,732 ft HQ core
- Sonic Drilling
 - 1,171 ft
- Logistics
 - Barge
 - Trucking
 - Helicopter
 - Mile 28 Kougarok Rd Staging Area
- Geology
- Engineering
- Environmental Baseline



Graphite One 

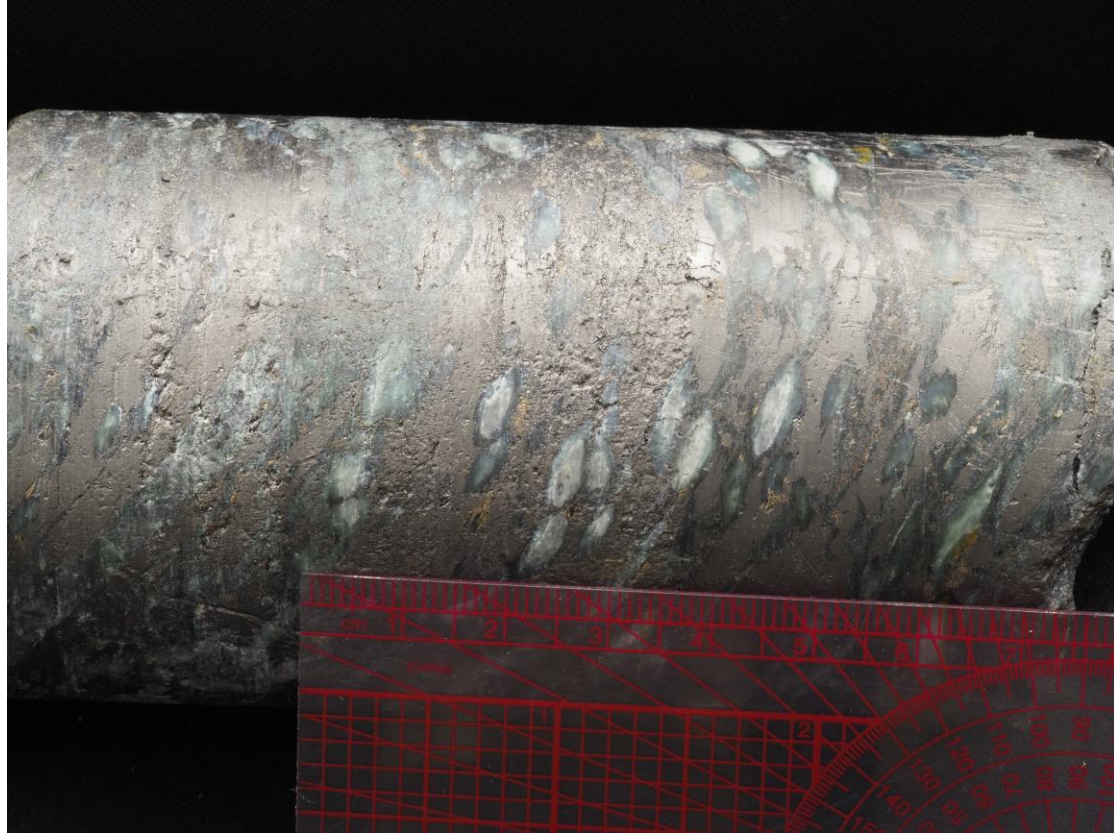


Graphite One





Graphite One 









2021 Field Camp & Kigluaik Mountains

Ongoing Community Engagement

- Community meetings since 2012
- Teller, Brevig Mission, Mary's Igloo & Nome
- Subsistence Advisory Committee

Next Steps

- Complete PFS
- Update Database
- Planning for 2022 Field Program
- Begin FS 2022
- Continue Community Engagement

2021 Alaska Based Suppliers & Vendors

| | | | |
|--|--------------------------------|-----------------------|--------------------|
| Grizzley/Outsiders Building Supply | Builders Industrial Supply | Alaska Earth Sciences | NAC |
| Bonanza Fuel (Sitnasuak) Owl Ridge | Bering Air | AIH | |
| Bering Straits Native Corp Consulting | City of Nome | Alaska Land Status | Tundra |
| PK Electric | Wrenchers LLC | Beacon | |
| Yukuskokon Services | | | |
| Old Alaska Rooms | Dredge 7 Inn | Blueprint Alaska | Temsco Helicopters |
| NAPA | JB Rentals | Crowley | |
| ROTAK | | | |
| Tundra Toyo | Q Trucking | GCI | |
| RECON | | | |
| Peggy's Petroleum | TSR | HDR | |
| ProComm Alaska | | | |
| Firesafe North | Suck and Shine Septic Services | HelpDesk | Jade |
| Gold Sands B&B (5 Bedroom House) | Tumet Construction | Uqaqti | |
| Raven Recycling | Aurora Inn | Lynden/AML | |

Thank You

Stan Foo,
Vice President, COO
(907) 632-3493

sfoo@graphiteoneinc.com

Anthony Huston,
President, CEO + Director
(604) 697-2862

ahuston@graphiteoneinc.com