

5E ADVANCED MATERIALS TO PRESENT AT THE 15th ANNUAL LD MICRO INVITATIONAL CONFERENCE

HESPERIA, CA., April 2, 2025 (ACCESSWIRE) - 5E Advanced Materials, Inc. (Nasdaq: FEAM) (ASX: 5EA), a boron and lithium company with U.S. government Critical Infrastructure designation for its 5E Boron Americas (Fort Cady) Complex announced today that Chief Executive Officer Paul Weibel will be presenting at the 15th Annual LD Micro Invitational Conference on April 9 - 10, 2025, at the Westin Grand Central in New York City. Management will also host one-on-one and group meetings with interested investors who are registered to attend the event.

Access the live webcast of the company's presentation on April 10 at 3:00 PM EDT (April 11 at 5:00 AM AEDT) here: <https://event.summitcast.com/view/Rv8BqVhT6JpoAvJwfhyEsK/7Bxh88vXJirxYpAGEkckYE>

Presentation materials for the event are included in the subsequent pages of this announcement and can also be accessed through the investor section of the Company's website at <https://investors.5eadvancedmaterials.com/events-presentations>.

About 5E Advanced Materials, Inc.

5E Advanced Materials, Inc. (ASX:5EA) is focused on becoming a vertically integrated global leader and supplier of boron specialty and advanced materials, complemented by lithium co-product production. The Company's mission is to become a supplier of these critical materials to industries addressing global decarbonization, food and domestic security. Boron and lithium products will target applications in the fields of electric transportation, clean energy infrastructure, such as solar and wind power, fertilizers, and domestic security. The business strategy and objectives are to develop capabilities ranging from upstream extraction and product sales of boric acid, lithium carbonate and potentially other co-products, to downstream boron advanced material processing and development. The business is based on our large domestic boron and lithium resource, which is located in Southern California and designated as Critical Infrastructure by the Department of Homeland Security's Cybersecurity and Infrastructure Security Agency.

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De-risked, Permitted Sovereign Boron Supply

April 2025

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Disclaimer

FORWARD-LOOKING STATEMENTS

The information in this Presentation includes “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995, as amended. All statements other than statements of historical fact included in this presentation regarding our business strategy, plans, goal, and objectives are forward-looking statements. When used in this presentation, the words “believe,” “project,” “expect,” “anticipate,” “estimate,” “intend,” “budget,” “target,” “aim,” “strategy,” “plan,” “guidance,” “outlook,” “intent,” “may,” “should,” “could,” “will,” “would,” “will be,” “will continue,” “will likely result,” and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain such identifying words. These forward-looking statements are based on 5E’s current expectations and assumptions about future events and are based on currently available information as to the outcome and timing of future events. We caution you that these forward-looking statements are subject to all the risks and uncertainties, most of which are difficult to predict and many of which are beyond our control, incident to the extraction of the critical materials we intend to produce and advanced materials production and development. These risks include, but are not limited to: the substantial doubt about our ability to continue as a going concern and need to raise substantial additional capital following the proposed offering; our limited operating history in the borates and lithium industries and no revenue from our proposed extraction operations at our properties; our need for substantial additional financing to continue as a going concern and to execute our business plan and our ability to access capital and the financial markets; our status as an exploration stage company dependent on a single project with no known Regulation S-K 1300 mineral reserves and the inherent uncertainty in estimates of mineral resources; our lack of history in mineral production and the significant risks associated with achieving our business strategies, including our downstream processing ambitions; our incurrence of significant net operating losses to date and plans to incur continued losses for the foreseeable future; risks and uncertainties relating to the development of the Fort Cady project, including our ability to timely and successfully complete our Small Scale Boron Facility; our ability to obtain, maintain and renew required governmental permits for our development activities, including satisfying all mandated conditions to any such permits; the implementation of and expected benefits from certain reduced spending measures, and other risks and uncertainties set forth in our filings with the U.S. Securities and Exchange Commission (SEC) from time to time. Should one or more of these risks or uncertainties occur, or should underlying assumptions prove incorrect, our actual results and plans could differ materially from those expressed in any forward-looking statements. No representation or warranty (express or implied) is made as to, and no reliance should be placed on, any information, including projections, estimates, targets, and opinions contained herein, and no liability whatsoever is accepted as to any errors, omissions, or misstatements contained herein.

You are cautioned not to place undue reliance on any forward-looking statements, which speak only as of the date of this Presentation. Except as otherwise required by applicable law, we disclaim any duty to update and do not intend to update any forward-looking statements, all of which are expressly qualified by the statements in this section, to reflect events or circumstances after the date of this Presentation.

NON-GAAP FINANCIAL MEASURES

This Presentation includes forward-looking non-GAAP financial measures. These measures may not be comparable to similar measures presented by other companies and should not be viewed as a substitute for measures reported under U.S. GAAP. These measures are commonly used in the mining industry to provide stockholders and potential investors with additional information regarding the Company’s future performance in its mining operations at projected full-run rates. This presentation contains references to the following: Full Year 1 EBITDA, Full Year 3 EBITDA, Full Year 6 EBITDA and Full Production EBITDA, each of which are forward-looking non-GAAP financial measures that are detailed in the Company’s Regulation S-K 1300 compliant Initial Assessment Report (the “Initial Assessment Report”). EBITDA is defined as net income before interest expenses, income tax expense, and depreciation. The Company has not provided a reconciliation of Full Year 1 EBITDA, Full Year 3 EBITDA, Full Year 6 EBITDA, and Full Production EBITDA to the Company’s future net income, the most comparable financial measure calculated in accordance with GAAP, as such GAAP measure is not available on a forward-looking basis without unreasonable effort. Specifically, the Company could not calculate interest, income taxes, depreciation or the effect of certain corporate level transactions or activities, on a forward-looking basis with any reasonable degree of accuracy, but such items could be significant and have a material impact on the Company’s net income. For more information regarding these forward-looking non-GAAP financial measures, you should read the Company’s Initial Assessment Report included as Exhibit 96.1 to the Company’s Annual Report on Form 10-K/A filed with the SEC on October 27, 2023.

MARKET AND INDUSTRY DATA

This Presentation has been prepared by 5E and includes market data and other statistical information from third-party sources, including independent industry publications, government publications or other published independent sources. Although 5E believes these third-party sources are reliable as of their respective dates for the purposes used herein, neither we nor any of our affiliates, directors, officers, employees, members, partners, shareholders or agents make any representation or warranty with respect to the accuracy or completeness of such information. Although we believe the sources are reliable, we have not independently verified the accuracy or completeness of data from such sources. Some data is also based on 5E’s good faith estimates, which are derived from our review of internal sources as well as the third-party sources described above. Additionally, descriptions herein of market conditions and opportunities are presented for informational purposes only there can be no assurance that such conditions will actually occur or result in positive returns.

CAUTIONARY NOTE REGARDING RESERVES

Unless otherwise indicated, all mineral resource estimates included in this Presentation have been prepared in accordance with and are based on the relevant definitions set forth in, the SEC’s Mining Disclosure Rules and Regulation S-K 1300 (each as defined below). Mining disclosure in the United States was previously required to comply with SEC Industry Guide 7 under the Exchange Act (“SEC Industry Guide 7”). In accordance with the SEC’s Final Rule 13-10570, Modernization of Property Disclosure for Mining Registrant, the SEC has adopted final rules, effective February 25, 2019, to replace SEC Industry Guide 7 with new mining disclosure rules (the “Mining Disclosure Rules”) under sub-part 1300 of Regulation S-K of the Securities Act of 1933, as amended (the “Securities Act”) (“Regulation S-K 1300”). Regulation S-K 1300 replaces the historical property disclosure requirements included in SEC Industry Guide 7. Regulation S-K 1300 uses the Committee for Mineral Reserves International Reporting Standards (“CRIRSCO”) - based classification system for mineral resources and mineral reserves and accordingly, under Regulation S-K 1300, the SEC now recognizes estimates of “Measured Mineral Resources”, “Indicated Mineral Resources” and “Inferred Mineral Resources”, and require SEC-registered mining companies to disclose in their SEC filings specified information concerning their mineral resources, in addition to mineral reserves. In addition, the SEC has amended its definitions of “Proven Mineral Reserves” and “Probable Mineral Reserves” to be substantially similar to international standards. The SEC Mining Disclosure Rules more closely align SEC disclosure requirements and policies for mining properties with current industry and global regulatory practices and standards, including the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, referred to as the “JORC Code”. While the SEC now recognizes “Measured Mineral Resources”, “Indicated Mineral Resources” and “Inferred Mineral Resources” under the SEC Mining Disclosure Rules, investors should not assume that any part or all the mineral deposits in these categories will be converted into a higher category of mineral resources or into mineral reserves. For additional information regarding these various factors, you should carefully review the risk factors and other disclosures in the Company’s filings with the SEC. Additionally, 5E undertakes no obligation to comment on third-party analyses or statements regarding 5E’s actual or expected financial or operating results or its securities.

Project Overview

- ✓ Largest known (colemanite) boron deposit globally outside of Turkey
- ✓ Initial mine life of 31 years containing 13.97M tons of boric acid¹
- ✓ Pilot Plant Operational – Delivering on-spec product to customers
- ✓ Simplified by-product strategy reducing OPEX and CAPEX into pre-FEED Engineering (FEL-2)
- ✓ Commercial production fully permitted (90ktpa) with phased expansion plans
- ✓ LOI received from US EXIM Bank to support development, significantly de-risking finance
- ✓ Expressions of interest received from customers for 100% of 90ktpa production

CALIFORNIA

NEVADA

FORT CADY
INTEGRATED
BORON
FACILITY

PORT OF LA

PORT OF
LONG BEACH

PROJECT
LOCATION

RAIL LINE



MILES

150

The Team to Deliver

Leadership Team



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Graham van't Hoff
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BA, MChem, MBA



Bryn Jones
NON-EXECUTIVE DIRECTOR
MMinEng



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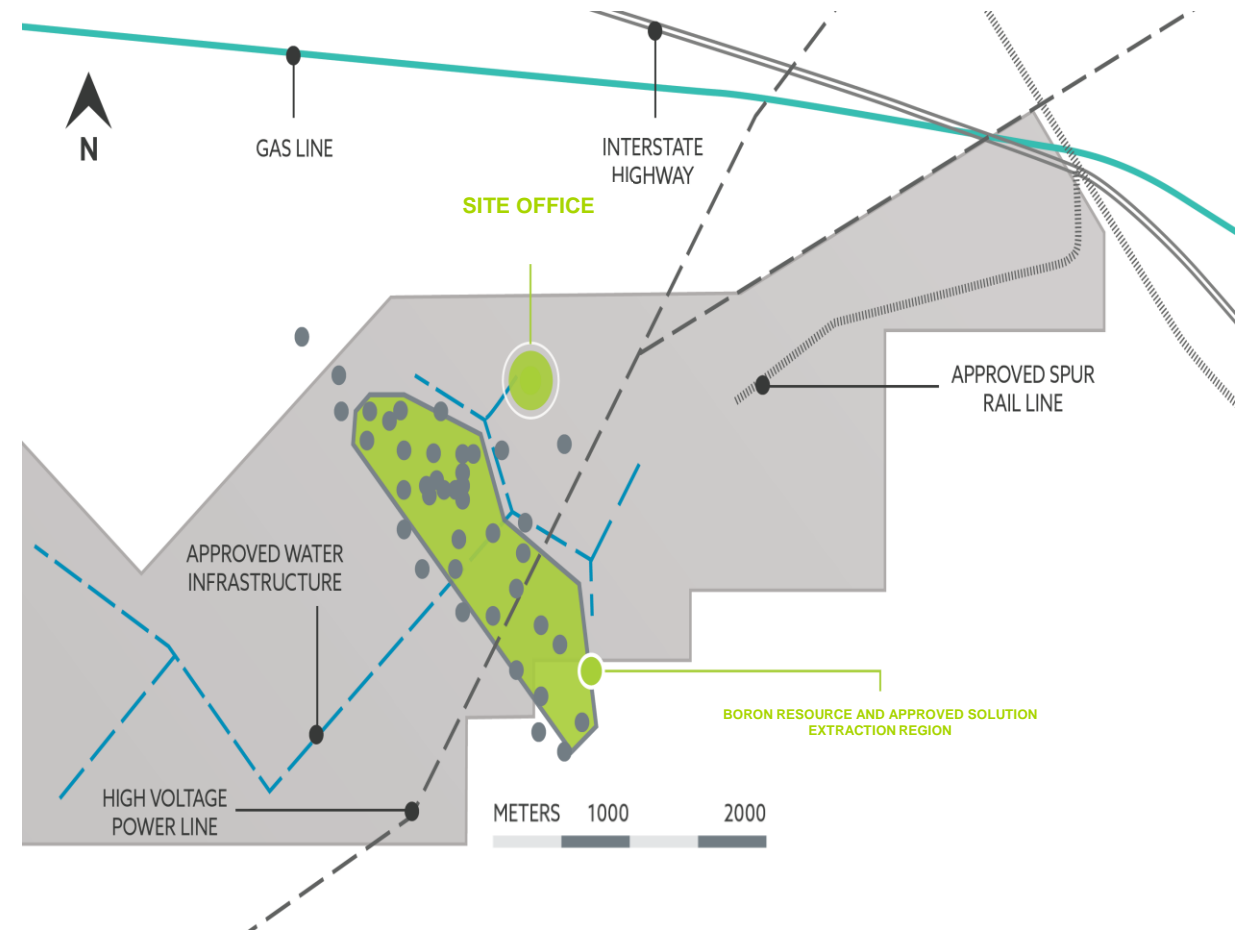


Curtis Hébert
NON-EXECUTIVE DIRECTOR
JD, BS



Resource & Mineral Tenure

- Mineral Tenure
 - Company owns six real parcels (mineral rights conveyed with real property)
 - BLM land surrounds six parcels
- Permitted Operations in California
 - Federal, State and local permits
 - Air Permit
 - Access to Water (650 gallons per minute)
- Attractive Geographic Location
 - 118 miles northeast of Los Angeles, CA and approximately half-way between LA and Las Vegas, NV
 - Designated Critical Infrastructure by U.S. Department of Homeland Security
- High-Quality Resource
 - Rare colemanite deposit, quality ore grades: 13.97 million short tons H_3BO_3 , 300k short tons LCE
 - Production occurred in 1980's, 1990's and now 2024
- Excellent Infrastructure
 - Natural gas transmission lines (x3) and power corridor
 - BNSF Rail and Interstate 40



Mining & Environmental Advantage

In-Situ Mining¹

5/E



Low land disturbance



Efficient Processing

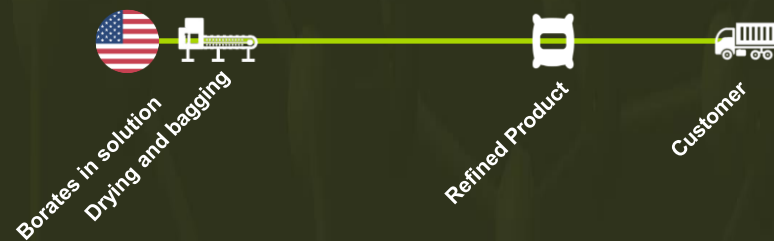


No tailings dam storage



Minimal Excavating Equipment

Streamlined
Production and Processing



Hard Rock Mining



Risk of pit collapse



Equipment and labor intensive

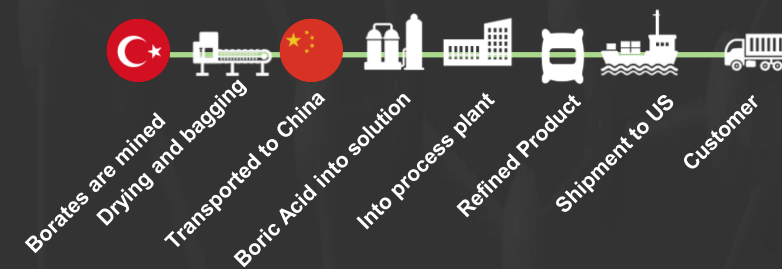


Significant surface area needed



Tailings storage

Multi-Location
Production and Processing



Small-Scale Facility Current Operations

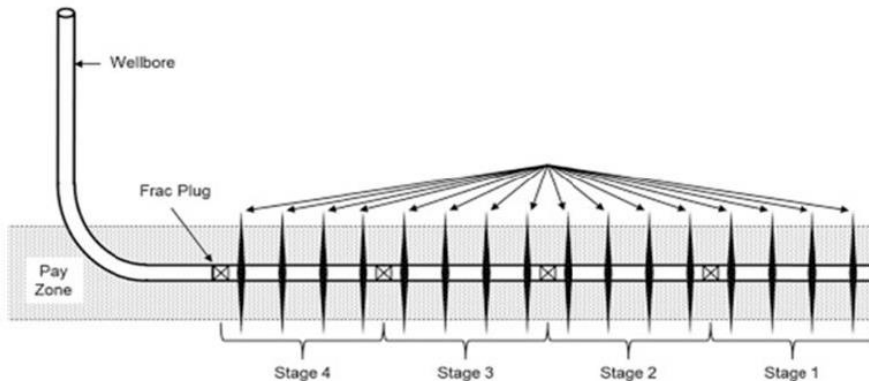


Fig 2.2.3V. Well milestone 1

Technology de-risked at scale:

- Commissioned Small Scale Boron Facility in April – now fully operational
 - Progressively ramped up to higher production rates
 - Successfully achieved necessary production quality
- Identifying critical operational improvements for FEL-2

Production Updates:

- Production rates: One short ton per day, on specification
 - Sufficient rates to cost optimize and progress customer qualification
- Head grade: Reached 5.5 – 6.5%, and 10K ppm of Boron

Continued Project Execution:

- Further optimization of wellfield and processing operations
- Byproduct strategy significant value-add
- Positions business to secure offtake agreements

Small-Scale Facility – Outcomes and Path Forward



1. Optimize CAPEX and OPEX:

- Well-field and process optimization
- Developed power solutions
- Simplified Process
- Value-added byproducts



2. Data Collection and Ramp-up:

- Production quality achieved
- Deliver product to key customers
- Test higher production rate wellfield completions



3. FEL-2 Engineering Inputs:

- Complete Pre-feasibility report PDC
- +/-25% CAPEX and OPEX estimates¹
- Foundation for debt financing

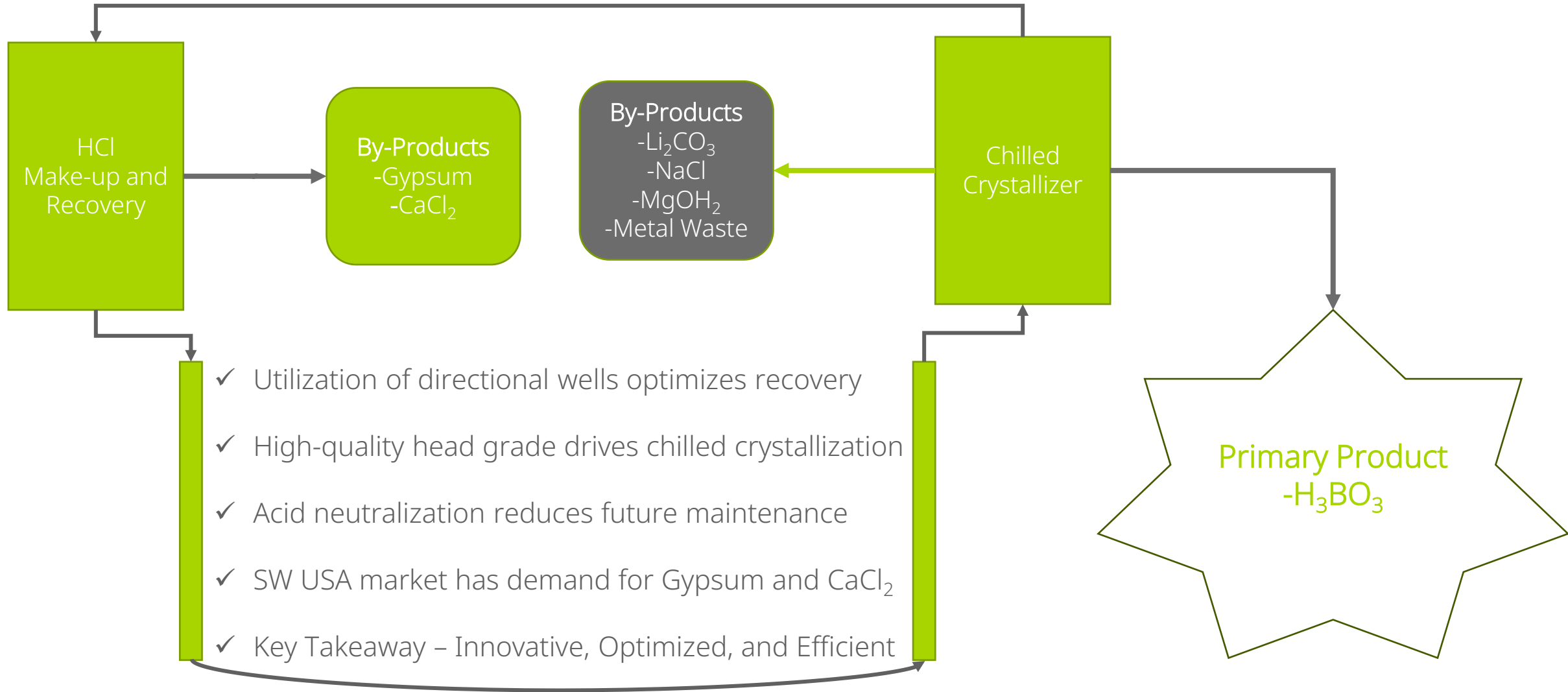


4. Customer Qualification and Off-Take:

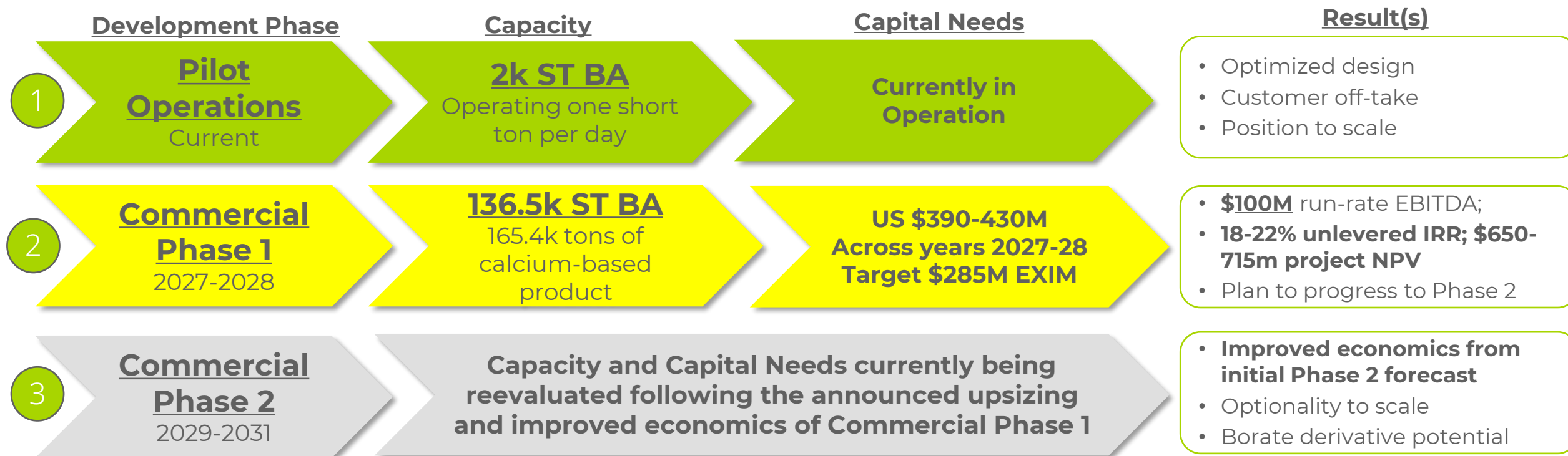
- Complete customer qualification
- Negotiate off-take agreements
- Customer debt/investment financing

Catalysts expected to Increase NPV, IRR and Lower Commercial Cash Costs

Take Forward Flow Sheet



Modular Approach to Production Scaling & Capital Needs

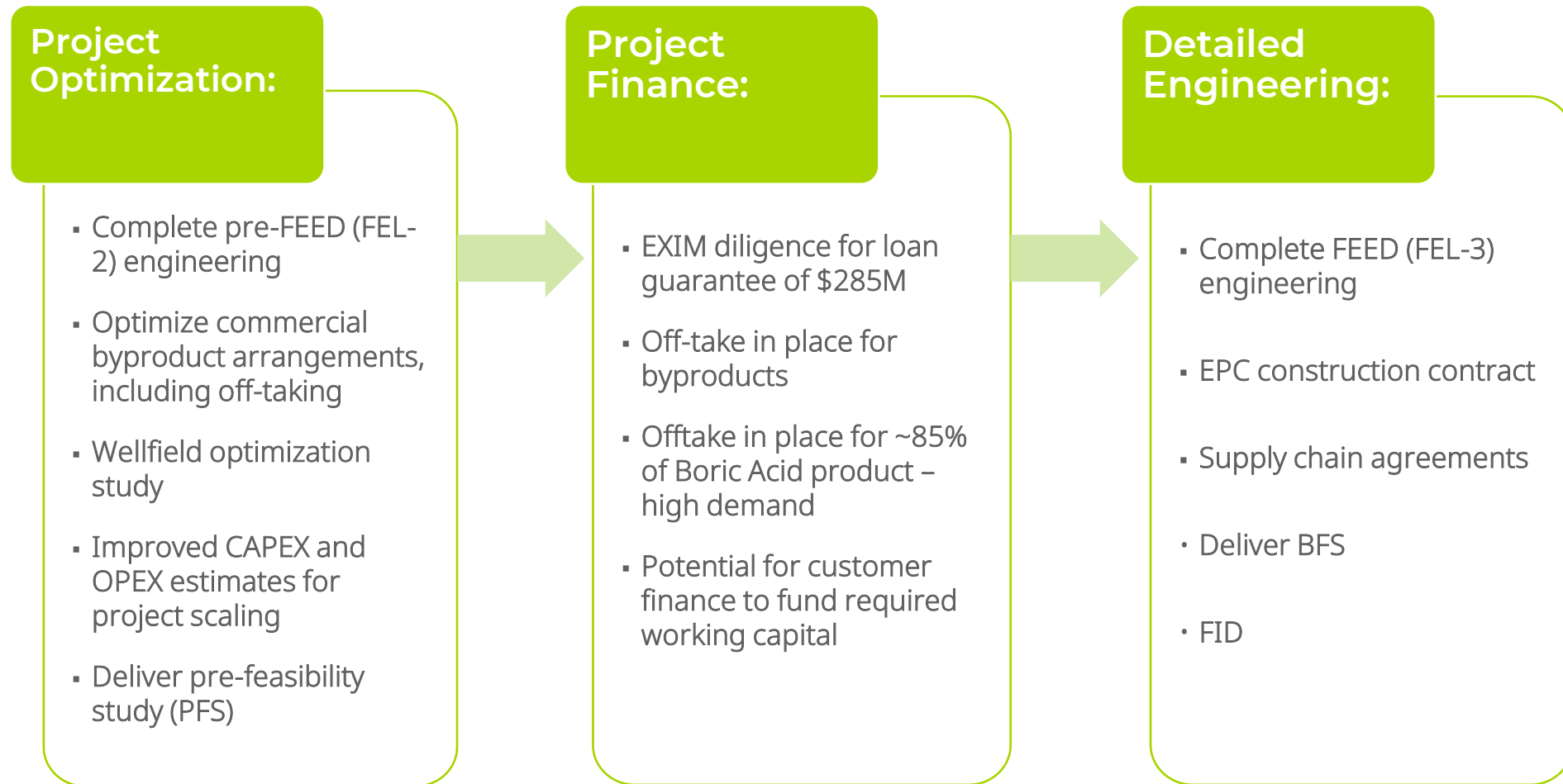


Values in USD-M

¹ Commercial Phase 1, Commercial Phase 2, Capital Needs, and EBITDA are forward-looking non-GAAP financial measures. For more information, see "Non-GAAP Financial Measures" above.

² Capital and EBITDA are referenced from Regulation S-K 1300 Initial Assessment Report with a revised report date of October 27, 2023 (using 2% cut-off grade) prepared by Qualified Persons. Figures presented reflect total estimated measured, indicated and inferred resources combined. Phase 1 Capital is adjusted based on management's best estimate available as Phase 1 is capital is expected to be reduced for production of calcium chloride.

Next Steps – Towards FID





Thank You

Boron Market Segments

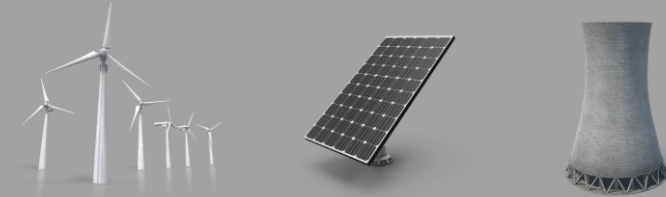
Electric Vehicles and Permanent Magnets

- Widely used (and largely not substitutable) across Electrification of Transport
- Key driver of demand in magnets needed for electric motor permanents



Global Energy Transition

- Critical material used in wide range of decarbonization technologies (wind, solar, and nuclear)
- Decreasing costs of renewable energy technologies and inputs have made them cost-competitive with fossil fuels



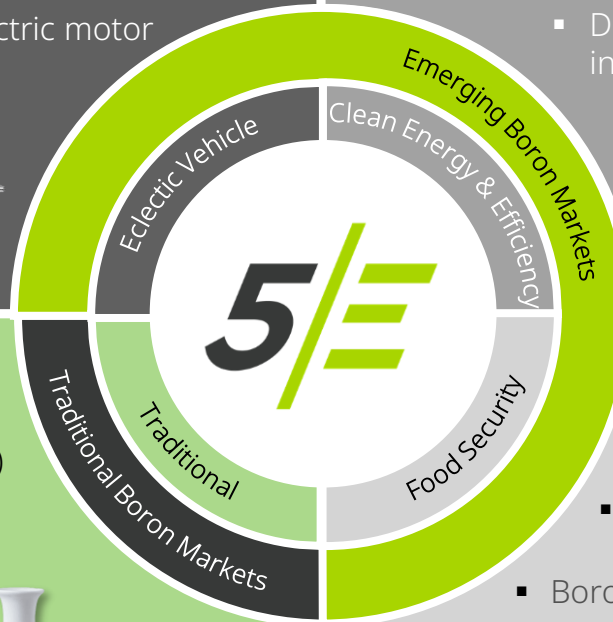
Traditional Applications

- Historical uses include:
 - Glass (borosilicate glass, fiberglass composites)
 - Ceramics
 - Cleaning agents



Food Security

- Up to 40 % of Earth's land is degraded, threatens roughly half of global GDP (US\$44 trillion)¹
- Boron is an essential micronutrient for crop health and to increase crop yields
- Boron based fertilizers are widely used commercially



\$2.15b global market 2023²

Global Boric Acid Demand CAGR of
5.4%²

1.9M tons of new demand
expected by 2031³

¹ Chronic land degradation: UN offers stark warnings and practical remedies in Global Land Outlook

² Global Market Insights, Boron Market – Industry Analysis & Forecast (2024-2030)

³ Kline Market Report