# ABOUND Expands Its Energy Solutions Platform into Hydrogen Through Definitive H2Si™ Agreement and Announces Private Placement

*Exclusive agreement with H2Si Power Incorporated advances point-of-use hydrogen production and commercial deployment.*

**Richmond, BC - June 30, 2026 -** Abound Energy Inc. ("ABOUND" or the "Company") (CSE: ABND) (FSE: 0E9) today, further to its news release of May 7, 2026, announced that it, on June 26, 2026, entered into a definitive agreement with H2Si Power Incorporated ("H2Si") for the exclusive licensing and commercialization of H2Si™, an on-demand hydrogen production technology designed for point-of-use deployment.

The agreement expands ABOUND's energy solutions platform beyond its existing long-duration energy storage and proprietary advanced air-cathode technologies by adding hydrogen production, creating a broader portfolio across storage, hydrogen and distributed energy.

H2Si™ generates hydrogen through a controlled reaction between silicon nanoparticles and water. The process uses no hydrocarbon-based feedstocks and produces hydrogen gas and silica without generating hydrocarbon byproducts.

Independent testing by researchers at the University of Saskatchewan confirmed that hydrogen was successfully produced from the reaction under controlled conditions.

Unless otherwise indicated, all dollar amounts in this news release are expressed in Canadian dollars.

## Key Highlights

- Definitive agreement with H2Si for exclusive H2Si™ licensing and commercialization rights, together with a pathway to acquire the underlying intellectual property.
- Advancement of an initial commercial H2Si™ hydrogen production unit.
- Proposed $300,000 private placement and settlement of approximately $350,000 of outstanding debt, supporting the Company's commercialization strategy and balance-sheet improvement.
- ABOUND has secured its largest cathode-material purchase order to date from an arm's-length customer, with anticipated revenue of more than $360,000 and an estimated gross profit margin of approximately 15% to 25%, supporting the continued commercialization of ZaeroTex™.
- Secured a €200,000 arm's-length loan to support working capital, transaction costs and the Company's commercialization strategy.

## A Broader Energy Platform

Designed for point-of-use deployment, H2Si™ may allow hydrogen to be produced closer to where it is consumed, reducing exposure to the cost, complexity and supply constraints associated with centralized production, compression, transportation, storage and delivery.

ABOUND plans to advance the platform across three commercial markets: H2Si™ for industrial hydrogen production, H2Si+™ for fuel and mobility applications, and H2Si++™ for distributed energy and power solutions.

Target applications include manufacturing, refining, fertilizer and chemical production, fleet fueling, truck stops, marine and rail operations, and distributed or off-grid power systems supported by hydrogen fuel cells.

“H2Si™ adds point-of-use hydrogen production to ABOUND’s existing energy storage and cathode platforms,” said Keith Morlock, COO of ABOUND. “The agreement gives us exclusive commercialization rights, a path to ownership of the underlying intellectual property and a performance-based structure tied to the first commercial unit. Together, Zaeras™, ZaeroTex™ and H2Si™ create a broader platform spanning energy storage, hydrogen production and distributed energy.”

“ABOUND is the right partner to move H2Si™ from validated hydrogen production to commercial deployment,” said Robert McKenzie, Founder of H2Si “The platform was designed for point-of-use production across industrial, mobility and distributed-energy markets.”

## Transaction Terms

Under the definitive agreement, H2Si will receive 5,000,000 common shares of ABOUND at a deemed price of $0.08 per share, representing aggregate share consideration of $400,000.

Of these shares, 1,000,000 will be issued upon closing, subject to applicable approvals. The remaining 4,000,000 shares will be held in escrow and released only after a commercial unit utilizing H2Si™ technology, capable of producing up to 1,600 kilograms of hydrogen per day, has been commissioned and operated for 30 consecutive days, in each case subject to the production, operating-cost, and other performance thresholds set out in the agreement.

Until the escrowed shares are released, the voting rights attached to those shares will be exercised in accordance with the direction of ABOUND’s Board of Directors.

The acquisition is an arm's-length transaction.

The agreement also provides ABOUND with a pathway to acquire the intellectual property associated with H2Si™. The intellectual property will be assigned to ABOUND upon the achievement of a revenue milestone of US$18,000,000 in cumulative gross hydrogen sales. This structure links a substantial portion of the consideration to commercial performance and creates a path to long-term control of the technology. The issuance of all consideration shares remains subject to applicable securities laws, corporate approvals and approval of the Canadian Securities Exchange.

## Commercial Deployment

ABOUND will fund the initial commercial build, currently estimated at approximately $2,000,000. Funding may include public financings, loans, special purpose vehicles, strategic project financing and other structures available to the Company.

The Company expects the initial H2Si™ commercial unit to become operational within approximately six months following completion of financing, subject to final engineering, fabrication, site readiness, commissioning, regulatory requirements and customary execution conditions.

ABOUND has also received a €200,000 loan from an arm's-length lender. The proceeds are expected to support working capital, transaction costs and continued execution of the Company's commercialization strategy.

The loan bears interest at 15% per annum and matures on May 31, 2027, in accordance with the loan agreement.

**Support and Guarantee Agreement**

In connection with the definitive agreement, H2Si's obligations to ABOUND are supported by a support and guarantee agreement (the "Support and Guarantee Agreement") among ABOUND, H2Si, Amerada R&D Ltd. ("Amerada") and Robert McKenzie. Under the Support and Guarantee Agreement, each of Amerada and Mr. McKenzie has severally (and not jointly) guaranteed the due performance of H2Si's obligations under the definitive agreement, including obligations relating to the ownership of, and title to, the intellectual property being licensed and conditionally assigned to ABOUND, subject to an aggregate liability cap and other limitations set out in the agreement. Mr. McKenzie controls each of H2Si and Amerada.

## Private Placement and Debt Settlement

ABOUND intends to complete a non-brokered private placement for gross proceeds of up to $300,000 through the issuance of up to 3,750,000 common shares at a price per share of $0.08.

The Company also intends to settle approximately $350,000 of outstanding debt by issuing approximately 4,375,000 common shares at a deemed price of $0.08 per share.

If completed in full, the private placement and debt settlement would result in the issuance of up to approximately 8,125,000 common shares, in addition to the 5,000,000 consideration shares issuable to H2Si.

All securities issued in connection with the definitive agreement, private placement and debt settlement will be subject to applicable securities laws and statutory hold periods. The common shares issued under the debt settlement will also be subject to the one-year contractual resale restrictions.

Completion of these transactions remains subject to all necessary corporate and regulatory approvals, including approval of the Canadian Securities Exchange.

Certain insiders of the Company are expected to participate in the proposed debt settlement and may also participate in the private placement. While the exact extent of insider participation has not yet been determined, any such participation will constitute a "related party transaction" within the meaning of Multilateral Instrument 61-101 – Protection of Minority Security Holders in Special Transactions ("MI 61-101"). The Company expects to rely on the exemption from the formal valuation requirement contained in section 5.5(a) of MI 61-101, and the exemption from the minority shareholder approval requirement contained in section 5.7(1)(a) of MI 61-101, on the basis that, at the time the transaction is agreed to, neither the fair market value of the securities to be issued to, nor the fair market value of the consideration to be received from, the related parties will exceed 25% of the Company's market capitalization. Further details, including the identity of the related parties, the extent of their participation, and the exemptions relied upon, will be provided in the Company's news release and material change report to be filed in connection with the closing of the private placement and debt settlement.

No finder's fees or commissions are payable in connection with the acquisition or the debt settlement. ABOUND may pay finder's fees or commissions to eligible finders in connection with the private placement, in accordance with the policies of the Canadian Securities Exchange.

The acquisition, the private placement and the debt settlement, individually or in the aggregate, will not result in a change of control of the Company.

## Board Transition

In connection with the definitive agreement, Dr. Simon Fan has stepped down from ABOUND's Board of Directors, effective immediately. He will continue to lead the advancement of Zaeras™ and the commercialization and manufacturing scale-up of ZaeroTex™.

ABOUND thanks Dr. Fan for his leadership and service on the Board. His departure creates the vacancy contemplated under the agreement for an H2Si-designated nominee. Any nominee will be considered in accordance with the agreement and subject to customary corporate and regulatory approvals.

## Advancing ZaeroTex™

ABOUND has secured its largest cathode-material purchase order to date from an arm's-length customer, with a value of more than $360,000. The Company currently estimates a gross profit margin of approximately 15% to 25% on the order. The order is expected to carry associated production, fulfillment, and operating costs consistent with the Company's current commercialization stage; these costs have not yet been finally determined, and the actual gross profit and net contribution to operating results remain subject to final production, fulfillment and operating costs and other execution variables, and may differ materially from the Company's current estimates. The order represents an important commercial milestone and supports the continued commercialization of ZaeroTex™, ABOUND's proprietary advanced air-cathode technology.

ZaeroTex™ is designed to support consistent performance and durability across a range of energy storage applications. The technology can be adapted for use with multiple chemistries and platforms, extending its potential beyond zinc-air systems.

Fulfillment of the purchase order remains subject to applicable production specifications, quality requirements, delivery terms and customer acceptance. The Company will provide further updates as material milestones are achieved.

## About ABOUND Energy Inc.

ABOUND Energy Inc. develops and commercializes scalable, environmentally responsible energy technologies. Its portfolio includes Zaeras™, a zinc-air long-duration energy storage platform; ZaeroTex™, its proprietary advanced air-cathode technology; and H2Si™, an on-demand hydrogen production platform for which ABOUND holds exclusive commercialization rights.

Together, these technologies are designed to support grid resilience, renewable-energy integration and the growing demand for flexible, distributed energy systems.

## About ABOUND's Technologies

Zaeras™ is a zinc-air long-duration energy storage platform designed to store and deliver electricity on demand while supporting renewable-energy integration and grid stability.

ZaeroTex™ is ABOUND's proprietary advanced air-cathode technology, developed to support consistent performance and durability across a range of energy storage applications. It is designed for use beyond zinc-air systems and can be adapted to different chemistries and platforms, providing flexibility across multiple energy storage approaches.

H2Si™ produces hydrogen on demand through a controlled silicon-water reaction and is being developed as a modular, point-of-use platform for industrial, mobility and distributed-energy applications.

To learn more about ABOUND's technologies, please visit www.Abound.Energy.

## For Further Information

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## Cautionary Note Regarding Forward-Looking Information

This news release contains "forward-looking information" and "forward-looking statements" (collectively, "forward-looking information") within the meaning of applicable Canadian securities laws. Forward-looking information includes, but is not limited to, statements regarding: the definitive agreement with H2Si Power Incorporated ("H2Si") and the licensing and potential acquisition of the H2Si Technology, including the assignment of the intellectual property to ABOUND upon achievement of the revenue milestone of US$18,000,000 in cumulative gross hydrogen sales; the issuance of an aggregate of 5,000,000 consideration shares (of which 1,000,000 will be issued on closing and 4,000,000 will be held in escrow) and the release of the escrowed shares upon commissioning and operation of an initial commercial unit meeting the production, operating-cost and other performance thresholds specified in the agreement; the funding, construction, commissioning and operation of the initial commercial unit, including the estimated cost of approximately $2,000,000 and the anticipated timeline to complete the build; the completion, timing, terms and use of proceeds of the proposed $300,000 private placement and the proposed settlement of approximately $350,000 of outstanding debt; the Support and Guarantee Agreement and the guarantees provided by Amerada R&D Ltd. ("Amerada") and Robert McKenzie in respect of H2Si's obligations, and ABOUND's ability to rely on and enforce those guarantees; the Company's intended reliance on the exemptions under Multilateral Instrument 61-101; the Company's ability to obtain all required corporate, shareholder and regulatory approvals, including the approval of the Canadian Securities Exchange; the departure of Dr. Simon Fan from the Board and the consideration and potential appointment of an H2Si-designated nominee to the Board; the fulfillment and performance of the Company's cathode-material purchase order and the continued commercialization, scale-up and manufacturing of the Zaeras™ and ZaeroTex™ platforms; and the Company's business plans and the development, scale-up, performance and potential applications of the H2Si Technology, including the H2Si™, H2Si+™ and H2Si++™ platform tiers.

Certain forward-looking information in this news release, including the estimated cost of approximately $2,000,000 to complete the initial commercial build, and the estimated value of more than $360,000 and the estimated gross profit margin of approximately 15% to 25% in respect of the cathode-material purchase order, may constitute a "financial outlook" within the meaning of applicable Canadian securities laws. This information was approved by management as of the date of this news release for the purpose of describing the anticipated funding requirements of the Company's commercialization plans, and the anticipated financial contribution of the cathode-material purchase order, and may not be appropriate for other

purposes; it is an estimate only, based on management's current estimates of the engineering, equipment, procurement, construction and commissioning costs required to complete the initial commercial unit, and actual costs may differ materially. The estimated gross profit margin on the cathode-material purchase order is an estimate only and is based on management's current assumptions regarding production, fulfillment, operating and other costs, which have not yet been finally determined; actual costs, gross profit and net contribution may differ materially. For greater certainty, (i) the production, operating-cost and other performance thresholds referred to in this news release are conditions to the release of the escrowed shares under the agreement, and (ii) the revenue milestone of US$18,000,000 in cumulative gross hydrogen sales is a condition to the transfer of the intellectual property; neither constitutes a forecast, projection, target or financial outlook of the Company's results or revenues.

Forward-looking information is based on assumptions made by management as of the date of this news release, including, among others, that: the H2Si Technology can be scaled from laboratory-confirmed results to commercial operation; the commercial milestone for release of the escrowed shares, and the revenue milestone for acquisition of the intellectual property, will each be achieved within the anticipated timeframes; the Company will secure the financing required to fund the commercial build and its working capital needs; the proposed private placement and debt settlement will be completed on the contemplated terms; the Support and Guarantee Agreement will remain in full force and effect and the guarantors will be able to perform their obligations thereunder; the exemptions relied upon under MI 61-101 will remain available; all required corporate, shareholder and regulatory approvals, including the approval of the Canadian Securities Exchange, will be obtained; an H2Si-designated nominee will be identified and considered in accordance with the agreement; the Company will fulfill the cathode-material purchase order and continue to advance the Zaeras™ and ZaeroTex™ platforms; and the Company will maintain its rights under, and ultimately acquire, the H2Si Technology.

Forward-looking information is subject to known and unknown risks and uncertainties that could cause actual results to differ materially from those expressed or implied, including, but not limited to: the H2Si Technology being early-stage and not yet demonstrated at commercial scale; the risk that the commercial milestone or the revenue milestone is not achieved and that the escrowed shares are never released or the intellectual property is never acquired; the Company's ability to fund the approximately $2,000,000 commercial build and its other obligations; the risk that the private placement or debt settlement is not completed or is completed on different terms; dilution to shareholders; the risk that the guarantees under the Support and Guarantee Agreement are unenforceable or are subject to their stated limitations and cap, or that Amerada or Mr. McKenzie is unable to satisfy its obligations thereunder; the availability of silicon nanoparticles and other materials and supply-chain constraints; failure to obtain the approval of the Canadian Securities Exchange or other required corporate, shareholder, regulatory or governance approvals; the Company's dependence on its relationship with H2Si, Robert McKenzie and Amerada, who are under common control; risks relating to the cathode-material purchase order and customer acceptance; hydrogen market development and customer adoption; competition; general economic conditions; and the other risk factors described in the Company's public disclosure documents available under its profile at www.sedarplus.ca.

Readers are cautioned not to place undue reliance on forward-looking information. Forward-looking information speaks only as of the date of this news release. Except as required by applicable securities laws, the Company undertakes no obligation to update or revise such information.

**Neither the Canadian Securities Exchange nor its Market Regulator, as that term is defined in the policies of the Canadian Securities Exchange, accepts responsibility for the adequacy or accuracy of this news release.**