

*A Halifax-based, Atlantic-Canadian
geologic hydrogen explorer with a
first-mover land position in an
emerging Nova Scotia district.*



LUMA
HYDROGEN

Clean energy from the ground up



CORPORATE PRESENTATION | **SEPT 2026**

lumahydrogen.com

CONFIDENTIAL

Disclaimer & forward-looking statements

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Forward-looking statements rely on assumptions and are subject to risks and uncertainties — including, without limitation, the speculative nature of mineral exploration, the absence of commercial natural-hydrogen production outside of Mali, regulatory and permitting risk, capital availability, dilution, market conditions, the work and results of third-party operators referenced herein, and the accuracy of all third-party information cited.

References to soil-gas readings, drill results, market capitalizations or transactions of other issuers (including QIMC, QMET, First Atlantic Nickel, Gold Hydrogen, HyTerra, Koloma and Primary Hydrogen) are based on public disclosure by those issuers and have not been independently verified by the Company. Such references are not indicative of results that may be achieved on the Company's properties.

Qualified Person Statement:

The scientific and technical information disclosed in this corporate presentation has been prepared and approved by Paul Ténrière, P.Geo., CEO of the Company and considered a Qualified Person under NI 43-101.

Powering a Sustainable Future

Why Luma, in one view

District-scale optionality at the **earliest entry point** on the curve, in a **team that can execute** both the science and the listing, in the one Canadian jurisdiction that has been **legislated**, while a **neighbour de-risks the district** on your doorstep

THESIS

Geologic hydrogen is emerging as a potentially ultra-low-cost, continuously generated clean fuel, and Nova Scotia has become the most active geologic hydrogen exploration district in North America.

CATALYSTS

In roughly a 12-month window, a neighbour has reported district-scale results along the same corridor as Luma's flagship (attributed), Nova Scotia passed Canada's first natural-hydrogen framework, and global capital has validated the sector, while Luma already holds early-staked ground that cannot be re-staked.

MOAT

Three things in one small, locally rooted team:

- early-staked, un-re-stakeable ground;
- a science authority uncommon at this stage (Stanford / USGS / MIT-WHOI);
- and a CEO who has built and listed juniors and knows Canadian disclosure cold.

ASK

A seed private placement to take Luma from staking to drill-ready and an independent NI 43-101 report ahead of a contemplated listing. The return mechanic is the seed-to-drill-stage re-rating observed across listed peers (attributed), entered at the earliest point on the curve.

WHY NOW

A district years in the making, accelerating in 2026



2023 TO 2024

GLOBAL CAPITAL ARRIVES

Koloma raises more than US\$400M (Breakthrough Energy, Khosla, Amazon, United). Toyota / Mitsubishi / Eneos invest into Gold Hydrogen at a 22% premium (2025).

(Attributed.)

MAR 2026

A DISCOVERY NEXT DOOR

QIMC reports a hydrogen system at West Advocate on the Cobequid-Chedabucto corridor, the same structure as Luma's flagship.

(QIMC public disclosure.)

APR 2026

CANADA'S 1ST FRAMEWORK

Nova Scotia passes the first Canadian legislative framework explicitly regulating natural hydrogen as a subsurface resource.

MAY 2026

DISTRICT-SCALE RESULTS

QIMC reports a peak 10.77% H₂ mud-gas reading on a step-out about 2.5 km along the corridor (QIMC NR, 20 May 2026), pointing to lateral continuity.

Dynamic team built for both science and corporate success



CAPITAL MARKETS EXPERT ·
COMPANY AND MINE BUILDER

Paul Ténrière, M.Sc., P.Geo.

Chief Executive Officer & Director

Based in New Brunswick and originally from Halifax, Nova Scotia, Mr. Ténrière is a Professional Geologist (P.Geo.) with significant experience running junior mining companies on TSX, TSXV and CSE. Deep specialization in Canadian mining disclosure rules including NI 43-101, and capital markets expert as a former senior listings manager at TSX and now considered a Qualified Person. Early-career petroleum geology background modeled on conventional source-trap-seal systems similar to hydrogen. Successfully built LaFleur Minerals into a near-term gold producer in less than 18 months and raised over C\$50M for development including a mill restart in Abitibi Gold District in Québec.



TECHNICAL EXCELLENCE ·
CAPITAL MARKETS · DIRECTOR

Barry Greene, B.Sc., P.Geo.

Independent Director

Based in Central Newfoundland, Mr. Greene is a seasoned geoscientist and mining executive with over 35 years of experience in mineral exploration, project development, and public-company capital markets. A Professional Geologist (P.Geo.) who has advanced numerous precious and base metal projects across North America and internationally. Currently CEO and Director of Zona Metals Corp. and a Director of Copperhead Resources Inc., where he serves on the Audit Committee. Recognized for combining technical excellence with disciplined governance and capital markets strategy to drive long-term shareholder value.



BASIN MODELING · GLOBAL
GEOLOGIC HYDROGEN EXPERT

Allegra Hosford Scheirer, Ph.D.

Technical Lead and Geologic Hydrogen Expert

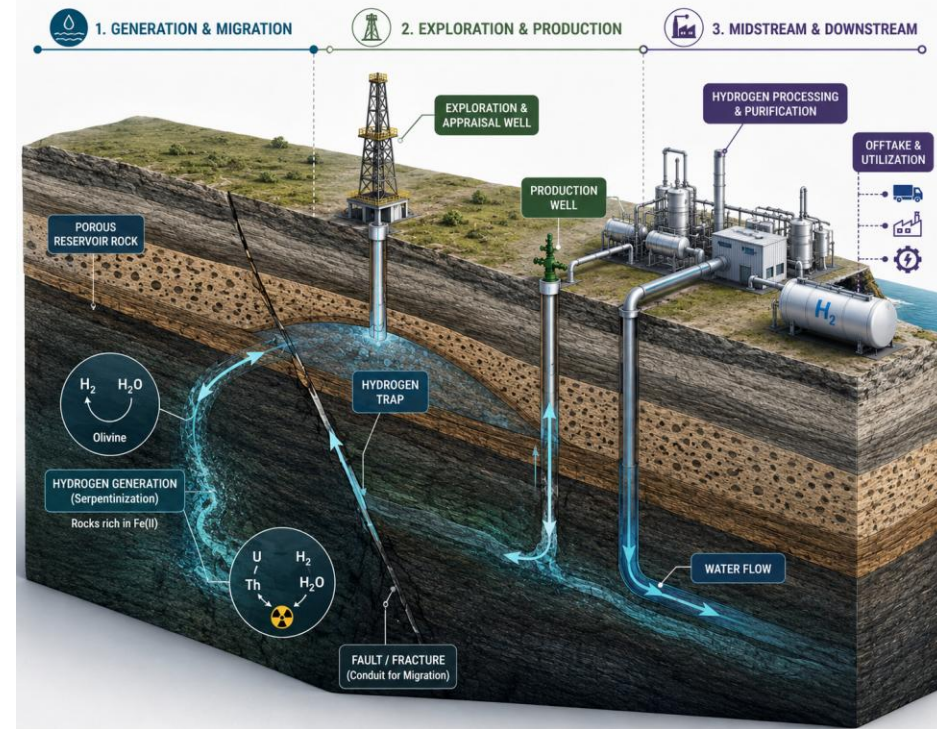
Dr. Hosford Scheirer is the Managing Director of the Stanford Geologic Hydrogen Industrial Affiliates Program and Research Scientist in Stanford's Department of Earth and Planetary Sciences. She has a Ph.D. from the MIT-WHOI Joint Program in Marine Geology and Geophysics; B.S. Brown University, Geology-Physics/Math. ~6 years at the U.S. Geological Survey followed by 16 years at Stanford as co-director of the Basin Processes and Subsurface Modeling consortium. Editor of USGS Professional Paper 1713. She is an internationally recognized expert on basin and petroleum-system modeling — the analytical framework behind every modern geologic hydrogen exploration program.

THE SCIENCE

Geologic hydrogen: a *continuously generated clean fuel*, with potential for low-cost supply and helium upside

The reaction has been running for 4 billion years

- ➔ When water reacts with iron-rich rocks deep in the crust, chemical reactions can release natural hydrogen gas. Natural or geologic hydrogen generation is no longer viewed as just a deep-ocean phenomenon, it is increasingly recognized in terrestrial geological systems worldwide.
- ➔ Where fault systems channel hydrogen upward into sealed traps, it can accumulate much like conventional natural gas. Drill the trap, produce the gas. Use it for energy, and the primary emission is water.
- ➔ This type of hydrogen gas is also known as “white” or “natural” hydrogen and is the main focus of Luma’s exploration efforts in Nova Scotia and Newfoundland & Labrador in Canada.
- ➔ Helium (He) is often associated with geologic hydrogen and Luma will be testing for both He and H₂ on its projects in Atlantic Canada.



FOR A COMMODITY, THE LOWEST COST PRODUCER WINS

Where geologic hydrogen could sit on the cost curve:

Grey **\$1 - \$2 /kg**

from natural gas

Green **\$3 - \$8 /kg**

splitting water

Natural **under \$1 /kg**

from the ground

Low cost is why the sector exists, and exploration is the earliest point of entry to it.

THE OPPORTUNITY: THE DISTRICT

Atlantic Canada is a geologic hydrogen “hotspot” in North America and Luma is well-positioned to capitalize on this opportunity with substantial footprint

10.77%

percent H₂

Québec Innovative Materials Corp's (CSE:QIMC) major H₂ discovery hit at 848 m depth in May 2026 located within 1-2 km of Luma's western Nova Scotia claim block.

370 km²

Large Hydrogen Claim Footprint

Luma's contiguous claims footprint across Nova Scotia and Newfoundland & Labrador and three styles of hydrogen play staked early in the district's emergence as a geologic hydrogen prospect with potential upside with helium.

C\$3M

to explore and drill

Plans for aggressive exploration and drilling programs covering surface geochemistry and soil gas surveys, airborne and ground geophysics, initial drilling, and an independent NI 43-101 technical report for go-public transaction – all within the next 6 to 12 months

Luma Hydrogen moved early into the district. Raising additional funds to quickly advance projects to explore and drill these H₂ targets

Three reasons we're the right Nova Scotia-based team to do this

01

WE HOLD STRATEGIC GROUND

Early-mover position in an emerging geologic hydrogen district

Luma's 442-unit claim package sits inside the highest-priority anomaly zone in NS — directly adjacent to QIMC's 8,249 ppmV H₂ discovery hit and within 2 km of their recent 10.77% H₂ result — and on the same ophiolite belt as FAN's 125 km² Ophiolite-X project in NL. Luma moved into the district during its early emergence, alongside well-funded operators including Koloma and Rio Tinto. Existing ground cannot be re-staked.

02

WE CAN TAKE IT PUBLIC QUICK

Built-in capital markets expertise and ability to raise significant capital

Luma's team and office is based in Halifax, Nova Scotia and comprised of highly experienced and credible capital markets and technical experts with proven track record of raising \$100s of millions of dollars in mining and other sectors in Canada and internationally.

Management and board/advisors have extensive disclosure, regulatory, and government connections and can facilitate a go-public transaction quickly and efficiently.

03

WORLD-CLASS TECHNICAL TEAM

Stanford-MIT grade technical lead & renowned geologic hydrogen expert

Dr. Allegra Hosford Scheirer is recognized globally as a geologic hydrogen expert. She helps coordinate the Stanford Geologic Hydrogen Industrial Affiliates Program — the academic centre defining this field. She was formerly with the USGS, and her Ph.D. is from MIT. Her addition as Technical Lead gives Luma technical credibility in the geologic hydrogen space that capital-market peers in this space materially lack.

PROJECT SUMMARY

Luma's land position spans two provinces and three H₂ play types

PLAY 1 · NOVA SCOTIA (FLAGSHIP PROJECT)

Cobequid–Chedabucto Fault Zone

30 licences · ~274 km² (27,440 ha)

Same fault zone where QIMC has drilled multi-zone H₂ shows. Luma's western claim block sits ~600 m to 2 km from QIMC's discovery hole. ~18 km south of QMET's Apple River–Sand River–Shulie soil-gas corridor (peak 1,840 ppm) along the same Cobequid Fault system.

PLAY 2 · NEWFOUNDLAND & LABRADOR

Western NL Ophiolite Belt

5 licences · 384 claim units · ~96 km² (9,600 ha)

On the same ophiolite belt as First Atlantic Nickel & Cobalt's Ophiolite-X (125 km², acquired Dec 2025). Iron-rich peridotite/dunite rocks generate hydrogen by serpentinization and orders of magnitude more H₂ per unit volume than ordinary basalt.

PLAY 3 · NEWFOUNDLAND & LABRADOR

Deer Lake Basin — Trap Play

Historic oil & gas shows in the area suggest the basin can hold a gas column. If H₂ is generated regionally and the basin traps it, Luma's claims have upside on a third, distinct mechanism.

PORTFOLIO SCALE

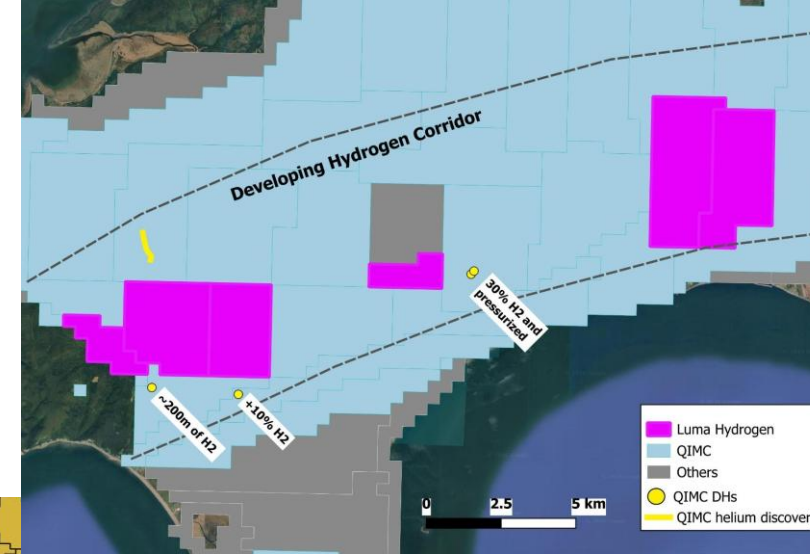
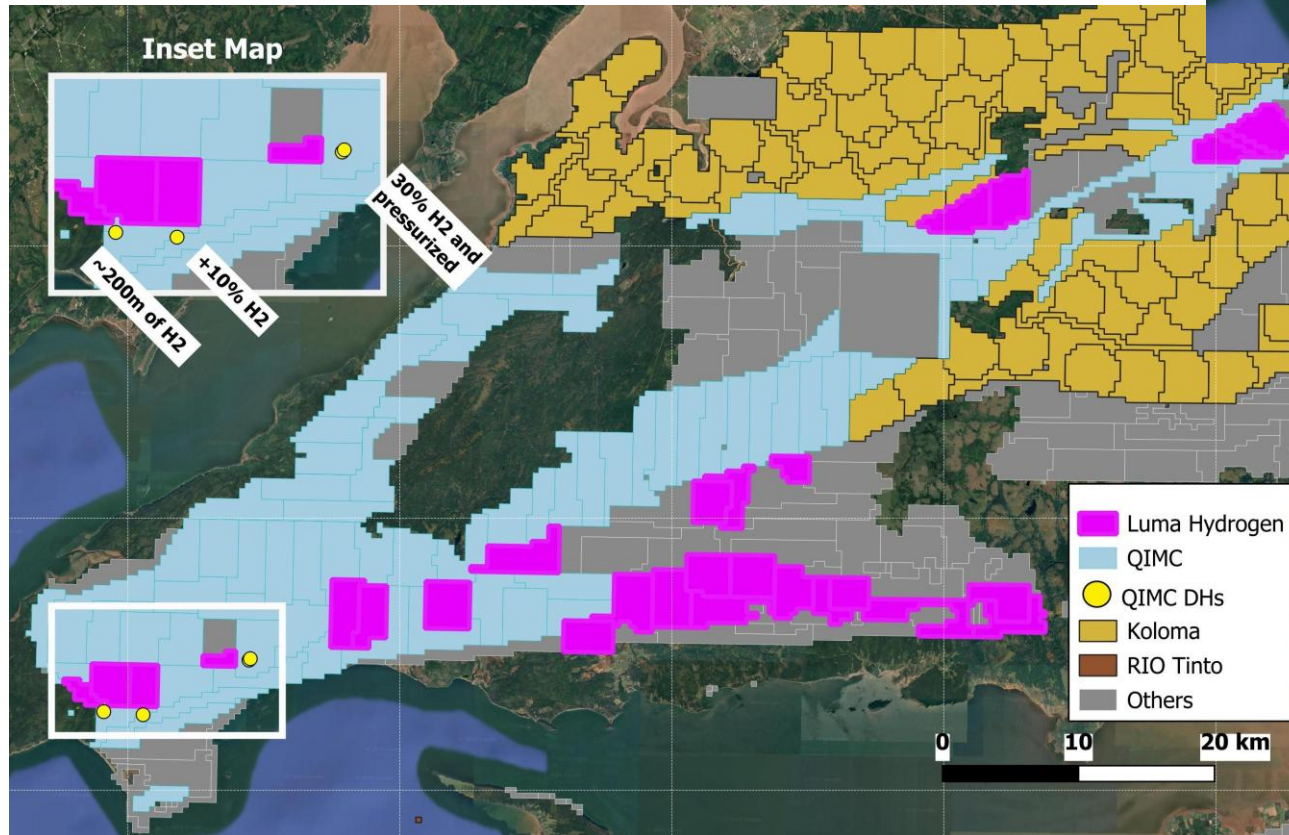
35

mineral licences · ~370 km² combined

Two provinces. Three plays. One thesis: clean energy from the ground up.

THE FLAGSHIP PROJECT — NOVA SCOTIA

Inside 2 km of QIMC's 10.77% H₂ discovery hit



KEY PROXIMITIES

<1 km

Luma claims to QIMC's drill hole

10.77% H₂

QIMC DDH-26-03 — 848 m depth, May 2026

1,840 ppm

QMET's Apple-Shulie corridor anomaly

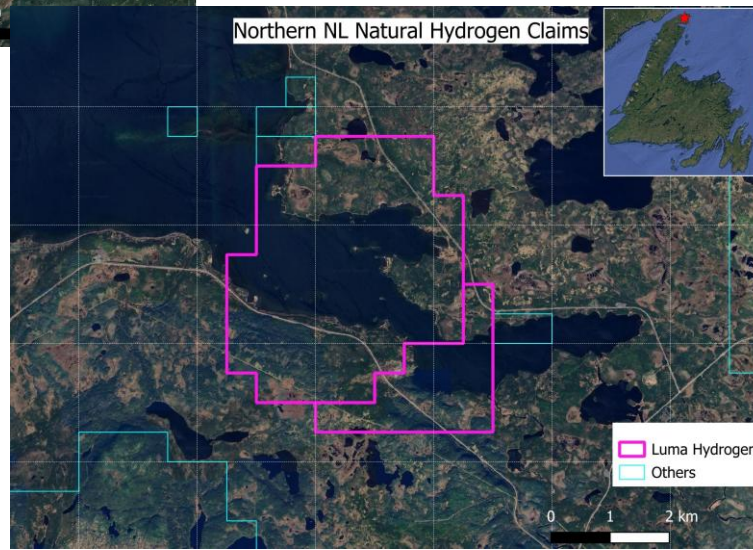
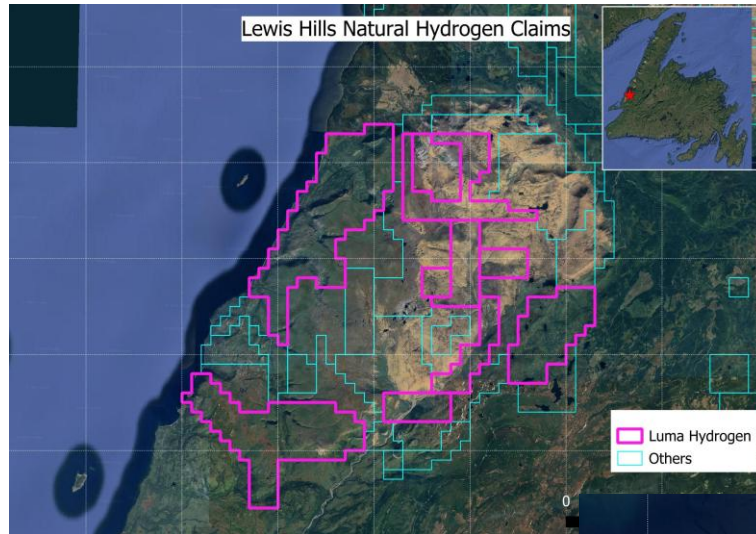
4,850 ppm

Springhill — 2 km continuous H₂ anomaly

Onshore

Existing seismic lines available for reprocessing

Same ophiolite belt as FAN's Ophiolite-X — with H_2 + carbon-mineralization upside



GEOLOGIC HYDROGEN — THE BASE CASE

5 licences · 384 claim units across the Bay of Islands Ophiolite Complex — same belt as **First Atlantic Nickel's 125 km² Ophiolite-X project** (Dec 2025) and the H_2 -bearing springs documented by Hattori et al. (Univ. Ottawa / GSC, 2025).

STIMULATED HYDROGEN — THE OPTIONALITY

Stimulated geological hydrogen potential — water injected into ultramafic rock to accelerate the same reaction. **Eden GeoPower (US\$1.4M ARPA-E)** is piloting in Oman's Samail Ophiolite. Luma's NL ground is similar lithology.

CARBON MINERALIZATION — THE DUAL REVENUE

The brucite-rich serpentinites that produce H_2 are also the **most reactive natural CO_2 sink known** — ~2.5 t mineralizes 1 t of CO_2 (Leila et al., 2025). Positions Luma for combined H_2 + CO_2 -credit revenue.

THE NEIGHBOURHOOD

Big money has validated this district. Luma is positioned alongside them with strategic long-term investors

QIMC / QMET

<1 km

First modern Canadian H₂ discovery

from Luma

10.77% hydrogen hit at 834 m depth. QMET's adjacent Apple-Shulie corridor reads up to 1,840 ppm. Both within 2 km of Luma's western NS block.

Koloma + Rio Tinto

>US\$400M

World's best-funded H₂ explorer

Koloma capital raised

Koloma has raised >US\$400M from Breakthrough Energy, Khosla, Amazon, United, MHI. Both are now staking around QIMC and QMET in NS.

First Atlantic Nickel & Cobalt

TSXV: FAN

TSXV-listed peer on Luma's NL ophiolite belt

listed peer

Acquired the 125 km² Ophiolite-X project Dec 2025; partnered with Colorado School of Mines on white + orange H₂.

Toyota / Mitsubishi / Eneos

A\$14.5M

Strategic offtake validation

at 22% premium

Invested A\$14.5M into Gold Hydrogen at A\$0.70/share (July 2025) — a 22% premium to the prior close. Establishes the buyer-side pricing benchmark.

More than US\$500M of strategic capital has moved into geologic hydrogen in under five years.

VALUATION CONTEXT

How the market values stages in this sector

Company	Ticker	Stage	Market cap
QIMC Inc.	CSE: QIMC	Drilling	C\$103M*
First Atlantic Nickel	TSXV: FAN	Pre-drill	C\$66M*
Gold Hydrogen	ASX: GHY	Flow-tested	A\$140M*
HyTerra	ASX: HYT	Drilled (96.1% H ₂)	A\$80M*
Max Power	CSE: MAXX	Drilling (Saskatchewan)	[verify]*
Element One	CSE: EONE	Pre-drill / tech dev	C\$5M*
Luma Hydrogen Corp.	Private	Pre-discovery	n/a

* Market caps are indicative only, per prior disclosure; as-of date 01 June 2026. QIMC's figure predates its recent financing and results. Peer figures are third-party context, attributed, and not a valuation of Luma.

HOW EARLY-STAGE VALUE BUILDS

More than US\$500M of strategic capital has moved into geologic hydrogen in under five years.

- **Pre-discovery peers trade at roughly C\$5M to C\$66M.**
- **Drill-stage peers at C\$100M and up.**

Every drill-stage peer started where Luma is today.

The seed-to-drill-stage re-rating is the central return mechanic in this sector, and it has played out across the listed peers shown.

Big money has validated this district. Luma is positioned alongside them with strategic long-term investors

UP TO
40%

refundable Clean Hydrogen ITC on eligible capital tiered by production carbon intensity

ITC RATE BY CARBON INTENSITY

< 0.75 kg CO ₂ e/kg	40%
0.75 – < 2 kg	25%
2 – < 4 kg	15%
≥ 4 kg	0%

Clean Hydrogen ITC FEDERAL TAX CREDIT

- Refundable; eligible property acquired Mar 28 2023 – Dec 31 2034.
- Rate tiered by validated production CI (<4 kg CO₂e/kg).
- Requires NRCAN project plan, FEED & qualified CI validation report.
- Rates halve in 2034, nil after.

Atlantic / Regional ITCs STACKABLE • REGIONAL

- Clean Hydrogen ITC may be combined with the Atlantic Investment Tax Credit on the same property.
- Relevant to Luma's Nova Scotia (Cumberland Basin) footprint.
- Potential incentives in Newfoundland & Labrador in the future

Clean Fuels Fund

NRCAN • COST-SHARED FUNDING

- De-risks capital for new / expanded clean-fuel production incl. hydrogen.
- Non-repayable funding for feasibility & FEED studies.
- New call: funding available Apr 2026 – Mar 2031 (R&D, pilot, demo).

Strategy & Adjacent Levers ENABLING FRAMEWORK

- Hydrogen Strategy for Canada — national roadmap & funding alignment.
- Energy Innovation Program; SIF; EDC project debt facilities.
- CCUS ITC for any capture component (not stackable on same property as H₂ ITC).

From staking to drill-ready and a public company in <12 months

PHASE 1

Surface Geochemistry Surveys

Q3 and Q4 2026

~C\$300k

- Soil-gas H₂ + radon-thoron survey on western NS block
- Reconnaissance soil-gas on NL ophiolite areas
- Reprocess existing onshore seismic across the western NS claim

PHASE 2

Geophysics + NI 43-101 Report

Q4 2026

~C\$700k

- Gravimetric + audiomagnetotelluric (AMT) survey on best NS anomalies
- Structural mapping of NL ophiolite contacts
- Independent NI 43-101 technical report (NS property)

PHASE 3

Maiden Drilling Program

Early 2027

~C\$2M

- 5 to 10 hole diamond drill program (NS); 500–700 m depth each
- Headspace gas + downhole sampling protocol benchmarked to Gold Hydrogen / HyTerra
- Independent QP review and full disclosure compliance

Seed capital takes Luma through Phases 1 and 2 — to a drill-ready, NI 43-101-supported public company by early 2027

THE OFFER

PRICE PER SHARE CAD \$0.25

SHARES OUTSTANDING 1,000,000

STOCK OPTIONS 1,000,000

SHARE PURCHASE WARRANTS 500,000

SHARES TO CONVERTIBLE INSTRUMENTS 1,000,000

FULLY DILUTED 500,000

ALLOCATION (% OF RAISE)

Phase 1 surface geochemistry (NS + NL)	22%
Reprocessing of existing onshore seismic	12%
Independent NI 43-101 technical report	14%
Phase 2 geophysics (gravity / AMT)	28%
G&A, listing prep, working capital	18%
Reserve / contingency	6%

THE OFFER

Round	Seed private placement, accredited investors (NI 45-106)
Target raise	[TO CONFIRM]
Instrument	Common shares of Luma Hydrogen Corp.
Pricing	Set out in the Subscription Agreement
Use of proceeds	12 to 18 month program (Phases 1 & 2) + listing prep
Path forward	RTO into a TSXV / CSE shell or IPO, contemplated post NI 43-101
Reporting	Quarterly updates; news releases for material results

RISKS

Key Risks, and how Luma is set up to handle it and reap rewards

RISK	HOW WE MANAGE IT
Exploration risk: geologic hydrogen has not been commercially produced at scale outside Mali.	<i>Initial capital takes Luma to a drilling program, not first revenue. Pricing reflects exploration risk, not production risk.</i>
Operator / key-person risk: Luma is currently a small team built around experienced management and new to the geologic hydrogen sector.	<i>Team includes world-renowned geologic hydrogen expert with extensive experience in the sector. Go-public listing process will trigger expansion of the management team and additional independent directors. Active and fully committed strategic investors in place ready to help grow Luma.</i>
Title and consultation risk: any Atlantic Canadian mineral / energy claim carries Indigenous consultation considerations.	<i>Claims were filed through standard Mining Acts in each province; Luma will engage proactively under each province's Crown duty-to-consult framework before any subsurface work.</i>
Subsurface-rights risk: the regulatory definition of 'geologic or natural hydrogen' as a substance is new in Canada.	<i>NS's Powering the Economy Act (April 2026) is the first Canadian framework that explicitly addresses natural H₂. Luma's NS claims sit within this framework. NL coverage is being monitored; conversion to a hydrogen-specific producing permit may be required in the future and Luma is prepared.</i>
Capital-rich competitors are staking the same district.	<i>Luma's claim package was filed in the early phase of the district's emergence; existing ground cannot be re-staked. Speed-to-drill and quality of the claim position are the key differentiators.</i>
Dilution: this current financing will be followed by additional or listing financing.	<i>Round structured to protect seed economics; modeled dilution disclosed to subscribers in the Subscription Agreement before close.</i>

STAGE 1 · Q3 TO Q4 2026
Exploration → Drill-Ready

MILESTONE

QP-signed NI 43-101 report on
flagship NS property.

STAGE 2 · Q4 2026
Public Listing in Canada

MILESTONE

RTO into TSX-V / CSE shell or IPO
with bridge financing.

STAGE 3 · EARLY 2027 →
Drill & Re-rate

MILESTONE

Maiden drilling program. Trade sale,
partnership, or follow-on options
open.



LUMA
HYDROGEN

Clean energy from the ground up

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