

<https://castleplacement.com/portfolio/h2energy-v1-220114/>



H2EG aims to revolutionize energy with the production of low cost ZERO emissions **GREEN HYDROGEN**

REASONS TO INVEST

OVERVIEW

OPPORTUNITY

PROBLEM

SOLUTION

MANAGEMENT

REASONS TO INVEST

much lower cost, clean solution ¹

1/4 THE COST. H2EG expects to produce **GREEN HYDROGEN** at:

- approximately 25% of the cost of renewable Hydrogen, and
- in-line with the cost of DIRTY HYDROGEN from fossil fuels

HUGE MARKET. Global **GREEN HYDROGEN** market was \$1.83 billion in 2021, and is projected to climb to \$89 billion in 2030E, and near \$11 trillion by 2050E

ZERO EMISSIONS. H2EG's proprietary technology uses proven ZERO emissions production process VERSUS 95% of Hydrogen today is DIRTY and produced from carbon-based fossil fuels

GREAT MANAGEMENT TEAM. Industry leaders from energy, power, and technologies companies



\$185,210
TOTAL RAISED

25 INVESTORS	\$25 Million VALUATION
\$24.66 PRICE PER SHARE	\$246.66 MIN. INVESTMENT
Class B Common SHARES OFFERED	Equity OFFERING TYPE
\$5 Million OFFERING MAX	Reg CF OFFERING

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Note: Includes all amounts raised in this \$5 million Regulation CF round, which includes our prior offering (closed on April 29, 2022) that raised \$185,210.



CrowdCheckLaw LLP delivers due diligence, disclosure and compliance services for online capital formation. The Verified Check looks for evidence indicating that the company is a legitimate venture conducting the type of business it claims, is properly incorporated and is in good standing with a US state or jurisdiction, and meets the legal requirements to seek investment through an online securities offering. The Verified Check does not constitute an investment recommendation or advice of any kind.

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WHY GREEN HYDROGEN? ¹



CHAT!

Why Hydrogen?

- Hydrogen is super-versatile energy carrier – with a diverse range of applications in a wide range of industries – expected key decarbonizing player by replacing fossil fuels used for power generation, transportation, manufacturing, and many others
- Hydrogen emits water when burned as a fuel, unlike fossil fuels which emit climate-warming Green House Gases (GHG)
- majority (about 95%) of Hydrogen is produced from DIRTY fossil fuels in oil refineries – but are relatively cheap
- current alternative renewable Hydrogen (about 5%) is produced from water using CLEAN solar or wind-powered electrolysis processes – but are relatively inefficient, discontinuous, and expensive

Why H2EG GREEN HYDROGEN?

- H2EG proprietary High-Yield Fast Pyrolysis System uses woody biomass which is expected to produce **GREEN HYDROGEN** at about 25% of the cost of alternative renewable Hydrogen and is cost-competitive with low-cost DIRTY HYDROGEN from carbon-based fossil fuels
- it's simple..... H2EG believes its proprietary process will produce **GREEN HYDROGEN** which is 100% renewable and sustainable/continuous, efficient, and amongst the lowest cost worldwide

WHY H2EG? ²

the economic and clear choice

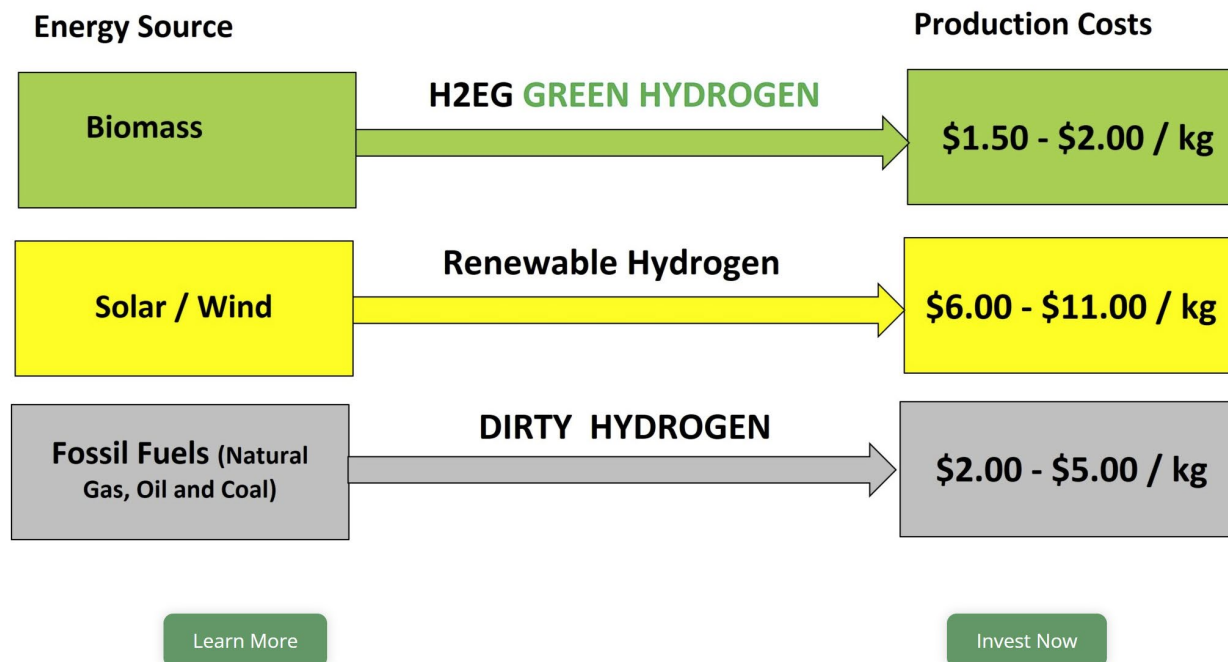


H2EG vs. Renewable Hydrogen

- both GREEN however, H2EG expects to be about 25% lower than the cost of renewable Hydrogen

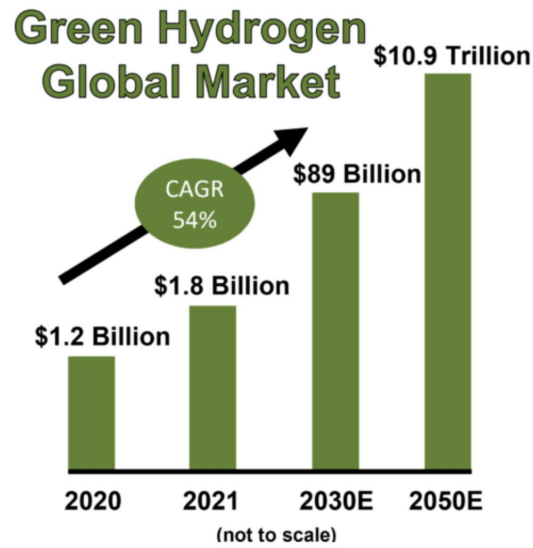
H2EG vs. DIRTY HYDROGEN

- H2EG expects to be in-line with the cost of DIRTY HYDROGEN but H2EG has ZERO emissions



Huge Emerging Global Market ³

Global Hydrogen projects are expected to near \$11 trillion by 2050E with \$2.5 trillion in annual **GREEN HYDROGEN** sales



Overview ⁴



H2 Energy Group Inc. ("H2EG") is planning the construction of a 10,000 kilogram (kg) per day renewable Hydrogen production facility and the installation of five Hydrogen refueling stations along the I-5 highway from California to Washington.

H2EG's scalable and modular technology uses sustainable and renewable woody biomass to produce low-cost Hydrogen-rich syngas – management believes that H2EG's technology will achieve

- cost comparable with current DIRTY HYDROGEN technologies
- about 25% of the cost of renewable (solar or wind) Hydrogen
- high-purity **GREEN HYDROGEN** – up to 99.999%
- oxygen-free decomposition – no combustion
- environmentally friendly – ZERO emissions with small footprint

CHAT!

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CHAT!

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Buses



Planes



Heavy Trucks



Automobiles



Trains



Commercial, Industrial,
and Data Centers

Renewable Fuel of the Future

Affordable Green Hydrogen

Green Hydrogen vs. Diesel

Carbon Emissions Comparison

Per One Truck	Green Hydrogen	Diesel
CO2/mile (pounds)	0.0	4.4
CO2/day (pounds)	0.0	2,649.0
CO2/year (pounds)	0.0	794,702.0
CO2/year (tons)	0.0	397.4

H2EG.com

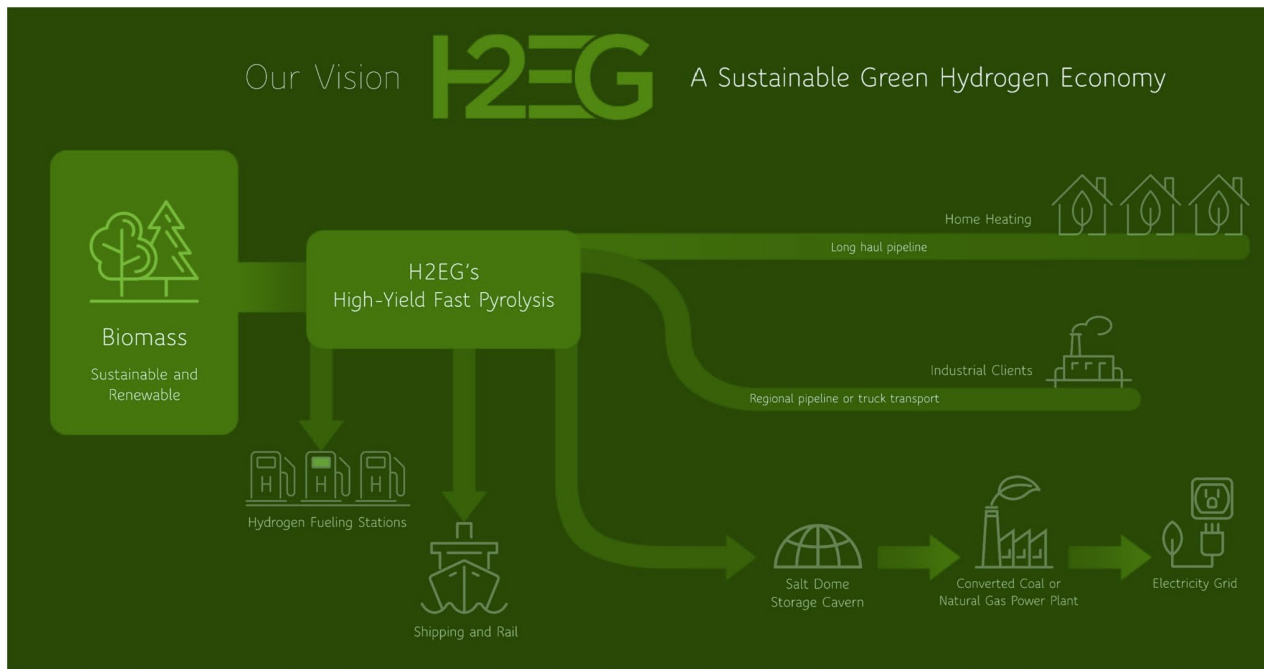
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Proven GREEN HYDROGEN Technology



Proven High-Yield Fast Pyrolysis technology component – proprietary application to Hydrogen-related processes



Go-To-Market ^{5,6}



MILESTONE: 2020-21 (COMPLETED)

International – agreements

- Australia – Neutralysis (Ambassador License)
- Canada – NuWave Hydrogen, Inc (Joint Venture Agreement)
- Ireland – H2H Alternative Energy Solutions (Joint Venture Agreement)
- Puerto Rico – World NRG, Inc (Joint Venture Agreement)
- Scotland – Hydrogen Enterprise Academy (Ambassador License)

MILESTONE: 1H22E

H2EG High-Yield Fast Pyrolysis Hydrogen production facility

- land site – long-term lease or purchase
- EPC – detailed engineering design
- permitting complete – zoning, air
- begin construction

U.S. Hydrogen refueling station

- market agreements
- permitting complete – Hydrogen refueling
- installation design

Neutralysis



MILESTONE: 2H22E

H2EG High-Yield Fast Pyrolysis Hydrogen production facility

- start-up / ramp up to partial capacity

First sales to U.S. wholesale industrial customers and Hydrogen refueling station retailers

- industrial customers – general market wholesalers for **GREEN HYDROGEN** at a competitive price to DIRTY HYDROGEN
- refueling stations – Hydrogen retailers



H2EG GREEN HYDROGEN	2022E U.S. PRICING (\$/kg) FOB Delivery Fall 2022E	VOLUME (kg/day) 5-year Take-or-Pay
	\$6.0	5,000
	\$5.0	7,500
	\$4.0	10,000
	\$3.0	15,000



MILESTONE: 1H23E

H2EG High-Yield Fast Pyrolysis Hydrogen production facility

- operational at full capacity of 10,000 kg per day

International – agreements

- **GREEN** electricity production to mine cryptocurrencies and other applications

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MILESTONE: 2H22E

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Opportunity



CHAT!

Climate change strategies and regulations support Hydrogen as an environmentally-friendly transformation technology

- industrial, energy and chemical manufacturers are incorporating climate change risk and the cost of carbon into their business strategies
- U.K.'s Northwest Hydrogen Alliance projects that net ZERO emissions is impossible without renewable Hydrogen

Renewable Hydrogen is a carbon-free alternative fuel – ZERO emissions

- one kilogram of Hydrogen is roughly equivalent to one gallon of gasoline, but delivers twice the vehicle mileage
 - 100% sustainable – ZERO emissions
 - “on-the-cusp” of rapid adoption worldwide
-

Huge Emerging Global Market – Hydrogen ³



CHAT!


Global Hydrogen projects are expected to near \$11 trillion by 2050E with \$2.5 trillion in annual GREEN HYDROGEN sales

Due to its relatively low-cost of production, almost all Hydrogen is derived from carbon-based fossil fuels which are contributing to GHG emissions

About 95% of Hydrogen is produced via steam methane reforming of natural gas

- for every kg of Hydrogen produced, at least nine kg of CO₂ is produced

Current alternative renewable Hydrogen production methods primarily use electrolysis – which has relatively high operating and capital costs

- wind- and solar-derived Hydrogen electrolysis – inefficient, discontinuous, and relatively expensive
-
- 



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Wide Range of Applications – Hydrogen



Energy and power

- cement production
- electric power plants
- fuel cells – residential and commercial
- oil refining
- natural gas blending with renewable Hydrogen
- petrochemicals – fertilizer and ammonia
- rocket fuels
- steel production
- green electricity production to mine cryptocurrencies



Transportation – fuel cell vehicles

- airplanes
- buses
- forklifts
- heavy equipment
- ships and tankers
- trains
- trucks

PROBLEM – Carbon-Based Fuels Contribute to GHG Emissions ⁷



About 95% of Hydrogen produced today is derived from carbon-based fossil fuels

- renewable Hydrogen is considered a long-term replacement for natural gas
- in the interim, small amounts (10% to 20%) of renewable Hydrogen is being blended into existing natural gas pipelines

U.S. transportation accounts for approximately 70% of the country's oil consumption and approximately 28% of its GHG emissions

- climate change initiatives provide support for increased use of Hydrogen in transportation and other industries

Worldwide truck fleets under immense pressure to cut emissions and costs

- large diesel trucks contribute to high emissions and noise
- adoption of truck electrification systems is escalating to cut GHG and NOx emissions
- worldwide electric trucks market is projected to climb from 69,597 units in 2021 to 1,413,694 units by 2030E



Solution/Strategy ^{8,9}



H2EG's scalable and modular technology uses sustainable and renewable woody biomass to produce low-cost Hydrogen rich syngas - bringing affordable GREEN HYDROGEN to the world!

Low-cost production of **GREEN HYDROGEN** - management believes that H2EG's technology will achieve

- cost comparable with current DIRTY HYDROGEN
- about 25% of the cost of current renewable (solar or wind) Hydrogen

Competing renewable Hydrogen technologies expect they will only be cost competitive with DIRTY HYDROGEN by 2030E

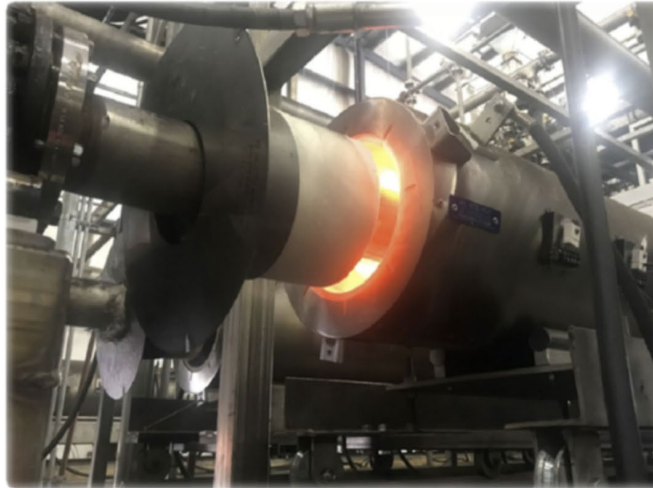
H2EG High-Yield Fast Pyrolysis technology

- trade secrets (Delaware Uniform Trade Secret Act)
- based on proven and reliable components
 - High-Yield Fast Pyrolysis - commercial use in three U.S. plants since 2014
 - Water Gas Shift (WGS) and Pressure Swing Adsorption (PSA) - well-established industrial processes

Business development partners

- Adelante Consulting - environmental engineering





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H2EG GREEN HYDROGEN – Planned Newbuild Commercial-Scale Facility ⁸



- Location – Northern California, near the I-5 highway
- Technology – H2EG proprietary application of proven High Yield Fast Pyrolysis
- Modular and scalable
- Initial throughput capacity – 10,000 kg per day
- Feedstocks – woody biomass is preferred, but other high BTU content feedstocks may be used
- Products – Hydrogen-rich syngas; solids (biochar – used to improve soil quality); and liquid (pyroligneous acid – used in agriculture)
- Land – location in-process
- Permits – zoning and air
- Engineering, procurement and construction (EPC) – contract in-place
- Off-takers – general market wholesale for **GREEN HYDROGEN** at competitive price to DIRTY HYDROGEN

H2EG GREEN HYDROGEN – Planned Installation of Retail Refueling Stations



Planned location – existing truck stops (approximately 300 miles apart) along the I-5 highway from San Diego to Seattle

- defined by travel routes of fuel cell electric trucks (effective range of about 400 miles)
 - production facility will operate as one refueling station
 - approximate locations include Firebaugh, CA and Carlsbad, CA to the South – Eugene, OR and Everett, WA to the North
-

Equipment – storage and dispensing

Permits – Hydrogen refueling

Customers – Hydrogen retailers (market agreements in-process)

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H2EG GREEN HYDROGEN – Proprietary Technology ⁸



CHAT!

H2EG plans to utilize its proprietary application of proven High-Yield Fast Pyrolysis technology to produce low-cost Hydrogen-rich syngas

Pyrolysis is a high temperature process which decomposes in oxygen-free environment to decompose carbon-based materials to into synthetic gas (syngas)

- oxygen-free decomposition – no combustion

Feedstock

- woody biomass – preferred
- other high BTU content feedstocks may be used (more than 120 biomass types tested)

Products

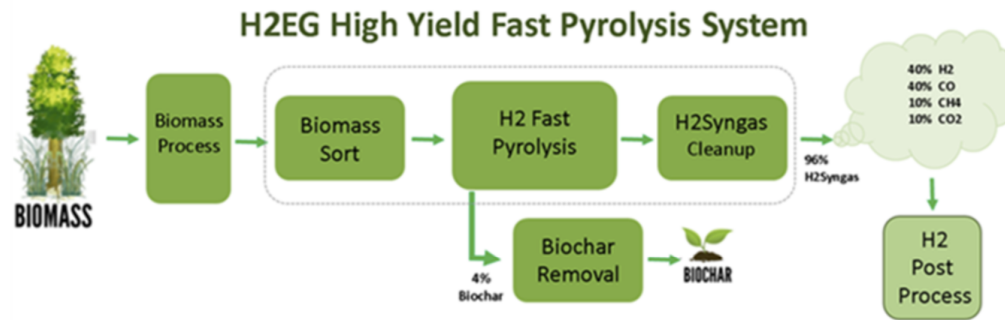
- Hydrogen-rich syngas – to industrial customers and/or retail refueling stations
- solid biochar – improves soil quality
- charcoal water – used in agriculture and to enrich soils

Key factors which influence the consistency and quality of production

- feedstock composition
- humidity
- particle size and physical structure
- residence time
- temperature



H2EG GREEN HYDROGEN – Proprietary Process Flow ¹⁰



STEP 1 – woody biomass feedstock is processed via a Chipper and Screened to a size of approximately 2 millimeters

STEP 2 – transferred to biomass distribution system to feed modular High-Yield Fast Pyrolysis reactor tubes (approximately 16 feet long, arranged sequentially)

- biomass enters twin Auger System inside the reactor tubes
- biomass is moved through the tubes at specified temperature and residence time
- output
 - Hydrogen-rich syngas – 40% H₂; 40% CO; 10% CO₂; 10% CH₄ (volume %)
 - solids – biochar
 - liquid – charcoal water

STEP 3 – Hydrogen-rich syngas output is then processed through a WGS multi-stage, fixed-bed reactor unit to concentrate the Hydrogen to around 85%

STEP 4 – Hydrogen-rich syngas is then filtered through a PSA fixed-bed gas purification unit to concentrate the **GREEN HYDROGEN** to a purity of around 99.999%

STEP 5 – GREEN HYDROGEN is distributed to industrial customers or to refueling stations

- H2EG Hydrogen production plant will be located adjacent to industrial customer facility
 - H2EG local facility to refueling station owner – FOB by customer
-

High-Yield Fast Pyrolysis Technology – Existing and Planned Facilities



There are at least four known facilities currently using the High-Yield Fast Pyrolysis Technology

H2EG planned facility in California will be the latest relying on this Technology

Going forward, H2EG plans to build additional facilities using this Technology across the U.S. and Internationally



PROJECT	YEAR	LOCATION	OWNER / OPERATOR	CAPACITY	DESCRIPTION
1	2010	U.S.	Confidential (third-party)	Laboratory-scale	Research and development at university - biotests
2	2014	U.S.	Confidential (third-party)	1 MegaWatt (continuous)	Commercial - renewable energy
3	2015	U.S.	Confidential (third-party)	7.2 million gallons per year	Commercial - renewable diesel
4	2018	U.S.	Confidential (third-party)	Confidential	Commercial - biochar
5	2022E	U.S. - CA	H2EG	5,000 Tonnes per year	Commercial (planned) - renewable hydrogen

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Management



Christopher L. Headrick – Founder, Executive Chairman, and Chief Technology Officer

Over 40 years of executive management and business development expertise beginning with commercial real estate businesses across North America for major international firms including Pepsico, MorCo and General Mills. Over 15 years of research and exploration related to Hydrogen markets. Founded H2 Energy Group in 2016. Since 2015, Founder and Principal of Christopher L. Headrick LLC, a private energy consultancy specializing in new market developments, mergers and acquisitions. Began rolling up oil, gas and coal leases and packaging them for resale. Founded and served as President and CEO for Americas Energy Company – expanded from a private to a publicly traded company with oil, gas and coal operations in Kentucky and Tennessee. Prior CEO for Wyoming Energy Corporation. Previously served as Senior Advisor Mergers and Acquisitions for Miller Energy Resources focused on developing new opportunities in Alaska. BA in Political Science, University of Tennessee (Knoxville).





James W. McGinley – Chief Executive Officer, President, and Director

Over 30 years as a proven executive and entrepreneur in renewable energy, energy efficiency, fiber optics, electronic components, and advanced materials industries with 27 issued patents. Expertise in synergistically developing management teams, growth strategies, sales organizations, manufacturing operations, strategic partnerships and world-class research and development teams. Joined H2 Energy Group in 2020. Since 2020, registered broker for CIG Capital, a project finance company. Since 2017, Vice President and advisor for MarketShareIQ; developed financings for large scale biofuels projects. Since 2005, Founder and President of VoltStar Technologies Inc; commercialized energy efficiency products. Past Executive Vice President at Methode Electronics; successfully launched two business units from inception and developed them into multi-million revenue and profit contributors. Previously held executive positions with Stratos Lightwave, and Indigo Solar. BA from The Evergreen State College.



Neil L. Goulden, Esq – Chief Administrative Officer, Treasurer, Secretary, and Director

Over 34 years of executive management and entrepreneurship focused on legal, operational, restructuring, asset management and financial services. Joined H2 Energy Group in 2020. From 2014 to 2021, Founder and co-Owner of Water Integrated Treatment Systems, LLC (WITS) which was successfully sold in April 2021. Since 2009, Founder, Owner and Senior Managing Director of Structuring and Restructuring Advisory Partners, LLC (SARA) focused on the restructuring and turnaround management of under-performing portfolio companies. Co-Founder of Greenline Environmental Solutions, LLC – focused on industrial cleaning and water transportation. Founded Almeric Capital Partners – a hedge fund that originated and purchased performing/non-performing debt and equity. Prior Managing Director and Head of Restructuring Finance at Société General; senior positions at General Electric Credit Corporation including Midwest Director of the National Restructuring Group. Past Senior Vice President of the workout group (PMO) at Heller Financial, and previously served as Chief Workout Counsel and Chief Litigation Counsel. Previously, in private international law practice at Katten, Muchin & Zavis (n/k/a Katten Muchin Roseman LLP), specializing in bankruptcy litigation, reorganization, workouts, secured lending and creditors’ rights. Former Adjunct Professor (bankruptcy law) for the LLM Program at The John Marshall Law School. JD from Case Western Reserve University – School of Law. BA from Emory University – Goizueta School of Business.





Paul J. Powers – Chief Development Officer and Director

Over 37 years of experience providing innovative financial services to clients. Joined H2 Energy Group in 2020. Founder and Principal at P. Powers Consulting, LLC – focused on providing guidance for strategic initiatives, investments, and insurance for domestic and international clients including hedge funds, corporate entities, family offices and high net worth individuals. Since 2011, Founder and President of Powers Insurance Partners, LLC – a niche insurance brokerage securing unique policies for clients to reduce risk and liability. Previously, Senior Vice President at Advantage Futures, MF Global, Prudential Finance, RBS Greenwich Capital and Executive Vice President at Dean Witter Reynolds. Served on several boards in addition to Lombard Public Facilities Convention and Hotel. Undergraduate work at the University of Wyoming and the College of DuPage.

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FOOTNOTES:

Why GREEN Hydrogen?

(1) Based on internal estimates using independent third-party research

(a) <https://www.iea.org/reports/global-hydrogen-review-2021>

(b) <https://newsroom.bankofamerica.com/content/newsroom/press-releases/2021/04/clean-electrification-and-hydrogen-can-deliver-net-zero-by-2050-.html>

(c) <https://www.nrel.gov/news/program/2020/study-shows-abundant-opportunities-for-hydrogen-in-a-future-integrated-energy-system.html>

(d) <https://www.privatebank.bankofamerica.com/articles/green-hydrogen-climate-change.html>

(e) <https://www.sciencedirect.com/topics/engineering/hydrogen-production-cost>

(f) Goldman Sachs – Green Hydrogen The next transformational driver of the Utilities industry – 201103

(g) <https://www.cnbc.com/2022/02/23/hydrogen-generation-could-become-1-trillion-market-goldman-sachs.html>

H2EG is the economic and clear choice

(2) Based on internal estimates using independent third-party research

(a) <https://www.iea.org/reports/global-hydrogen-review-2021>

(b) <https://newsroom.bankofamerica.com/content/newsroom/press-releases/2021/04/clean-electrification-and-hydrogen-can-deliver-net-zero-by-2050-.html>

(c) <https://www.nrel.gov/news/program/2020/study-shows-abundant-opportunities-for-hydrogen-in-a-future-integrated-energy-system.html>

(d) <https://www.privatebank.bankofamerica.com/articles/green-hydrogen-climate-change.html>

(e) <https://www.sciencedirect.com/topics/engineering/hydrogen-production-cost>

Huge Emerging Global Market

(3) Based on independent third-party research

(a) Regarding 2020, 2021 and 2030E: <https://www.globenewswire.com/news-release/2022/01/11/2364715/0/en/Green-Hydrogen-Market-Size-to-Surpass-US-89-18-Bn-by-2030.html>

(b) <https://www.tdworld.com/renewables/article/21156683/black-veatch-green-hydrogen-a-rising-star>

(c) Regarding 2050E: Goldman Sachs – Green Hydrogen The next transformational driver of the Utilities industry – 201103

Overview

(4) Based on internal estimates using independent third-party research

- (a) <https://www.indianapilaw.com/how-much-does-semi-truck-weigh/#:~:text=August%2031%2C%202020%20%2F%20Truck%20Accidents&text=A%20fully%20loaded%20tractor%20trailer,length%20of%20two%20football%20fields.>
 - (b) <https://www.caranddriver.com/news/a15346281/long-haul-epa-sets-2027-efficiency-standards-for-trucks-and-big-rigs/>
 - (c) <https://www.kcra.com/article/truck-drivers-hurt-by-the-rising-cost-of-diesel-sac-state-professor-explains-the-ripple-effects/39376905#>
 - (d) <https://business.edf.org/insights/green-freight-math-how-to-calculate-emissions-for-a-truck-move/#:~:text=The%20average%20freight%20truck%20in,of%203%2C236%2C000%20grams%20of%20CO2.>
 - (e) <https://storage.googleapis.com/scsc/Green%20Freight/EDF-Green-Freight-Handbook.pdf>
-

Go-To-Market

(5) Assuming the initial Reg CF capital raise is completed

(6) 2022E U.S. FOB pricing based on internal estimates

PROBLEM – Carbon-Based Fuels Contribute to GHG Emissions

(7) Based on independent third-party research

- (a) <https://www.nrel.gov/research/transportation.html>
 - (b) <https://business.ca.gov/>
 - (c) https://en.wikipedia.org/wiki/Hydrogen_production
 - (d) <https://www.h2stationmap.com/content/fuel-cell-electric-trucks-vision-freight-movement-california-and-beyond>
 - (e) <https://www.smart-energy.com/industry-sectors/electric-vehicles/us-electrification-of-transportation-sector-nears-tipping-point/>
 - (f) <https://www.energy.ca.gov/solicitations/2019-12/gfo-19-602-hydrogen-refueling-infrastructure>
 - (g) <https://www.h2-view.com/story/california-driving-the-hydrogen-highway-of-the-future/>
 - (h) <https://hydrogencouncil.com/en/study-hydrogen-scaling-up/>
-

Solution/Strategy

(8) Images contained in these offering materials are for illustrative purposes only; the actual facilities and equipment when built may vary

(9) Based on internal estimates using independent third-party research

- (a) <https://www.iea.org/reports/global-hydrogen-review-2021>
- (b) <https://newsroom.bankofamerica.com/content/newsroom/press-releases/2021/04/clean-electrification-and-hydrogen-can-deliver-net-zero-by-2050-.html>
- (c) <https://www.nrel.gov/news/program/2020/study-shows-abundant-opportunities-for-hydrogen-in-a-future-integrated-energy-system.html>
- (d) <https://www.privatebank.bankofamerica.com/articles/green-hydrogen-climate-change.html>
- (e) <https://www.sciencedirect.com/topics/engineering/hydrogen-production-cost>

Proprietary Process - Steps

(10) Third-party engineering firm is conducting an independent evaluation of the H2EG proprietary renewable Hydrogen process

OFFERING SUMMARY

COMPANY: H2 Energy Group, Inc.

CORPORATE ADDRESS: 1774 Derby Downs Drive, Friendsville, TN 37737

OFFERING MINIMUM: \$25,005

OFFERING MAXIMUM: \$5,000,000

MINIMUM INVESTMENT
AMOUNT (PER INVESTOR): \$246.66

TERMS

OFFERING TYPE:	Equity
SECURITY NAME:	Class B Non-Voting Common Stock
MINIMUM NUMBER OF SHARES OFFERED:	1,014
MAXIMUM NUMBER OF SHARES OFFERED:	202,757
PRICE PER SHARE:	\$24.66
PRE-MONEY VALUATION:	\$25,000,000

Use of Proceeds May Change Materially

Any information provided regarding the use of proceeds is an estimated forecast only. The Company might incur uses of proceeds that differ materially from any use of proceeds information provided to prospective investors, including salary or other compensation to current owners, founders, senior management, or their friends or relatives.

OFFERING DETAILS (LINK) [EDGAR Filing Documents for 0001644600-22-000004 \(sec.gov\)](#)

FORM C FILING (LINK) <https://www.sec.gov/Archives/edgar/data/1901902/000164460022000004/H2OMandFinancialsJan20v1.pdf>

The investor should read the Form C, Offering Memorandum, and the Risks section before investing in this transaction.

RISKS

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COMMENTS

IMPORTANT MESSAGE

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2 COMMENTS



Tumbur
2 weeks ago

If I would like to participate in this round , please let me know

Tumbur

[EDIT](#) | [REPLY](#)



Blanchard Basilwa
2 weeks ago

This is the investment's future

[EDIT](#) | [REPLY](#)

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About us

Castle Placement raises capital and finds loans for middle market companies

Headquartered in New York City, with offices in Boston, Dallas, Detroit, Houston, Los Angeles, Miami, and Washington DC

Broker-dealer; member of FINRA/SIPC

\$1 million to \$1 billion in all industries/geographies

Artificial intelligence/machine learning accurately matches investors with companies

CPGO - proprietary app connects companies with investors in real time

Robust, data-driven, deal flow technology facilitates information flow, negotiations, documentation, and closing

Forward Looking Statements

Information available to investors may contain "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, which do not relate strictly to historical or current facts

Forward-looking statements often include words such as "will," "anticipates," "estimates," "expects," "projects," "intends," "plans," "believes" and words and terms of similar substance in connection with discussions of future operating or financial performance

Forward-looking statements often regarding the adequacy of funding to meet future needs, expected future revenue and expenses, the market for goods or services, or other similar matters

Forward-looking statements are based on management's current expectations and assumptions regarding the company's business and performance, the economy and other future conditions and forecasts of future events, circumstances and results

Forward-looking statements, as with any projection or forecast, are inherently susceptible to error, uncertainty, and changes in circumstances

Actual results may vary materially from those expressed or implied in forward-looking statements due to economic, strategic, political and social conditions, government regulation, errors in estimates such as in the expected

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-- Regulation Crowdfunding: \$5 million per year; light disclosure required; anyone (including non-accredited) can invest; general solicitation/advertising permitted

-- Regulation D Rule 506(c); amount raised is unlimited; light disclosure required after closing; only accredited investors (high-net worth individuals and institutions) can invest; general solicitation/advertising permitted

Equity Crowdfunding Investment Risks:

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The company issuing securities is Castle Placement's client.

If you are an investor, you are not a customer or client of Castle Placement.

Your decision to invest is yours alone, with the help of your professional and legal advisors.

Equity crowdfunding investments in private placements, and start-up investments in particular, are speculative and involve a high degree of risk and those investors who cannot afford to lose their entire investment should not invest in start-ups.

Companies seeking startup investments through equity crowdfunding tend to be in earlier stages of development and their business model, products and services may not yet be fully developed, operational or tested in the public marketplace. There is no guarantee that the stated valuation and other terms are accurate or in agreement with the market or industry valuations.

Additionally, investors may receive illiquid and/or

Experienced investment bankers: extensive relationships and structuring experience

World-class team of professionals from top-tier global investment banks

Over 64,500 institutional investors and 600,000 accredited investors - private equity, venture capital, strategic, family offices, pension funds, foundations, endowments, sovereign wealth funds, hedge funds, and lenders.

For more more background of the Castle Placement, LLC broker-dealer and professionals, [Click Here](#).

For additional important risk and disclaimer information, [Click Here](#).

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errors in estimates such as in the expected market size, expected costs of bringing a product to market, expected timelines and resources required to complete projects, and other operational and financial estimates, recent and future changes in technology, services and standards, changes in consumer behavior, plans, initiatives and strategies, and consumer acceptance thereof

In addition, actual results may vary materially from those expressed or implied in forward-looking statements due to changes in the plans, initiatives and strategies of the third parties that are necessary or important to the company's success, competitive pressures, including as a result of changes in technology, ability to deal effectively with economic slowdowns or other economic or market difficulties, increased volatility or decreased liquidity in the capital markets, including any limitation on the company's ability to access the capital markets for debt securities, refinance its outstanding indebtedness or obtain equity, debt or bank financings on acceptable terms, failure to meet earnings expectations or comply with federal, state and foreign regulations as they related to securities offerings and exchanges, the adequacy of the startup's risk management framework, changes in U.S. GAAP or other applicable accounting policies, the impact of terrorist acts, hostilities, natural disasters (including extreme weather) and pandemic viruses, or a disruption or failure of the company's or its vendors' network and information systems or other technology upon which its businesses rely

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restricted stock that may be subject to holding period requirements and/or liquidity concerns. In the most sensible investment strategy for start-up investing, start-ups should only be a small part of your overall investment portfolio. Further, the start-up portion of your portfolio should include a balanced portfolio of different start-ups.

Investments in startups are highly illiquid and those investors who cannot hold an investment for the long term (at least 5-7 years), or lose their investment in its entirety, should not invest.

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technology upon which its businesses rely

Furthermore, actual results may vary materially from those expressed or implied in forward-looking statements due to changes in tax, federal communication and other laws and regulations, digital systems being compromised by hacking, forking and hostile take-over, changes in foreign exchange rates and in the stability and existence of foreign currencies; and other risks and uncertainties which may or may not be specifically discussed in materials provided to investors

Any forward-looking statement speaks only as of the date on which it is made – companies are under no obligation to, and generally they expressly disclaim any obligation to, update or alter their forward-looking statements, whether as a result of new information, subsequent events or otherwise

REASONS TO INVEST

much lower cost, clean solution ¹

1/4 THE COST. H2EG expects to produce **GREEN HYDROGEN** at:

- approximately 25% of the cost of renewable Hydrogen, and
- in-line with the cost of DIRTY HYDROGEN from fossil fuels

HUGE MARKET. Global **GREEN HYDROGEN** market was \$1.83 billion in 2021, and is projected to climb to \$89 billion in 2030E, and near \$11 trillion by 2050E

ZERO EMISSIONS. H2EG's proprietary technology uses proven ZERO emissions production process VERSUS 95% of Hydrogen today is DIRTY and produced from carbon-based fossil fuels

GREAT MANAGEMENT TEAM. Industry leaders from energy, power, and technologies companies

\$185,210

TOTAL RAISED

25

INVESTORS

\$25 Mil

VALUATION

\$24.66

PRICE PER SHARE

\$246.

MIN. INVESTMENT

**Class B
Common**

SHARES OFFERED

Equity

OFFERING

\$5 Million

OFFERING MAX

Reg C

OFFERING

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