



Zinc8 Energy Solutions Announces U.S. Senate Majority Leader Charles E. Schumer Support for Zinc8 to Establish Battery Manufacturing Facility in Ulster, NY
~Zinc8 considering new production facility in NY as next step towards commercialization~

Vancouver, British Columbia, Canada – July 8, 2022 Zinc8 Energy Solutions Inc. (“**Zinc8**” or the “**Company**”) (CSE: ZAIR / OTC: ZAIRF / FSE: 0E9) is pleased to announce the support from the U.S. Senate Majority Leader Charles E. Schumer (D-NY) for Zinc8 to establish a manufacturing facility in Ulster, NY’s former TechCity Site location.

As detailed through a press release issued today by the office of Senator Schumer: [CLICK HERE TO SEE NEWS RELEASE](#), the Senator has connected with the CEO of Zinc8 Energy Solutions, Ron MacDonald, to consider the Town of Ulster as a potential site for a manufacturing facility and cement the state of New York’s leadership as an emerging global battery manufacturing hub.

The Infrastructure Investment and Jobs Act, signed into law in 2021, has set aside \$6 billion for federal incentives meant to expand capabilities of the U.S.-based battery research and development, bolster domestic battery production, and shore up the American supply chain in an industry often reliant on foreign sources.

The carbon reduction policies and programs of the Biden Administration and the State of New York are instrumental for companies such as Zinc8 to bring leading edge clean energy solutions to full commercialization and the well paying sustainable employment in the new Green economy.

“Zinc8 is evaluating potential manufacturing sites in the Northeastern US and have been very impressed with the locations and related facilities in New York,” said Ron MacDonald, CEO of Zinc8 Energy Solutions. “Having the support of Senator Schumer for our company and technology will weigh heavily on our decisions on where to locate our first major production facility.”

Zinc8 Energy Solutions focuses on developing and commercializing its low-cost, long duration ZESS for utilities, microgrid, and Commercial & Industrial markets. By using the patented ZESS as a standalone or an enabling technology, it allows opportunities for peak demand reduction, time-of-use arbitrage, and participation in both the value stacking programs and the distributed long-duration energy storage space, all in conjunction with the opportunity for a significant reduction in carbon footprint. The long duration (8-100+ hours) ZESS has no fire and explosion risk, has no capacity fade over extensive lifetime, and offers complete charge operational flexibility.

About Zinc8 Energy Solutions Inc. Zinc8 has assembled an experienced team to execute the development and commercialization of a dependable low-cost zinc-air battery. This mass storage system

offers both environmental and efficiency benefits. Zinc8 strives to meet the growing need for secure and reliable power. To learn more about Zinc8's technology, please visit: <https://zinc8energy.com>

More about the Zinc8 Energy Storage System (ESS)

The *Zinc8* ESS is a modular Energy Storage System designed to deliver power in the range 20kW - 50MW with capacity of 8 hours of storage duration or higher. With the advantage of rechargeable zinc-air flow battery technology, the system can be configured to support a wide range of long-duration applications for microgrids and utilities. Since the energy storage capacity of the system is determined only by the size of the zinc storage tank, a very cost-effective and scalable solution now exists as an alternative to the fixed power/energy ratio of the lithium-ion battery.



Technology

The *Zinc8* ESS is based upon unique patented zinc-air battery technology. Energy is stored in the form of zinc particles, similar in size to grains of sand. When the system is delivering power, the zinc particles are combined with oxygen drawn from the surrounding air. When the system is recharging, zinc particles are regenerated, and oxygen is returned to the surrounding air.

Applications

The flexibility of the *Zinc8* ESS enables it to service a wide range of applications. Typical examples include:

- Smoothing energy derived from renewable sources such as wind and solar
- Commercial/Industrial backup replacing diesel generators
- Industrial and grid scale, on-demand power for peak shaving and standby reserves
- Grid-scale services such as alleviating grid congestion, deferring transmission/distribution upgrades, energy trading and arbitrage, and increasing renewable energy penetration.

Architecture

The *Zinc8* ESS is designed according to a modular architecture that enables a wide variety of system configurations to be created from a small number of common subsystems. Each subsystem implements a single element of the technology:

- The Zinc Regeneration Subsystem (ZRS) provides the recharging function
- The Fuel Storage Subsystem (FSS) provides the energy storage function
- The Power Generation Subsystem (PGS) provides the discharging function

Notice Regarding Forward Looking Statements

All statements and disclosures, other than those of historical fact, which address activities, events, outcomes, results or developments that Zinc8 Storage anticipates or expects may or will occur in the future (in whole or in part) should be considered forward-looking statements.

Forward looking statements in this press release include that we can execute the development and commercialization of a dependable low cost zinc-air battery; that our mass storage system offers both environmental and efficiency benefits; that we can help meet the needs for secure and reliable power, that the support of Senator Schumer will weigh heavily on Zinc8's decisions relating to location of its first manufacturing facility, and that federal funding will be

available in the United States for U.S. based battery research, development and production.. Zinc8 Energy Solutions believes the material factors, expectations and assumptions reflected in the forward-looking statements are reasonable at this time, but no assurance can be given that these factors, expectations and assumptions will prove to be correct. The forward-looking statements included in this news release are not guarantees of future performance. Such forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause actual results or events to differ materially from those anticipated in such forward-looking statements including, without limitation: that we are not able to raise funds as expected; that our technology fails to work as expected or at all; that our technology proves to be too expensive to implement broadly; that customers do not adapt our products for being too complex, costly, or not fitting with their current products or plans; our competitors may offer better or cheaper solutions for battery storage; general economic, market and business conditions; increased costs and expenses; inability to retain qualified employees; our patents may not provide protection as expected and we may infringe on the patents of others; the completion of our planned private placement or are unable to raise all of the funds we are seeking to raise; that Senator Schumer may not continue to support Zinc8; that Zinc8 may not open a manufacturing facility; that federal funding in the United States may not be available to Zinc8 on favourable terms or at all; and certain other risks detailed from time to time in Zinc8 Energy Solution's public disclosure documents, copies of which are available on the Company's SEDAR profile at www.sedar.com. Readers are cautioned that the foregoing list of factors is not exhaustive and are cautioned not to place undue reliance on these forward-looking statements.

The forward-looking statements contained in this news release are made as of the date hereof and the Company undertakes no obligations to update publicly or revise any forward-looking statements, whether as a result of new information, future events or otherwise, unless so required by applicable securities laws.

Neither the CSE nor any Market Regulator (as that term is defined in the policies of the CSE) accepts responsibility for the adequacy or accuracy of this release.

For more information please contact:

Incite Capital Markets

Eric Negraeff / Darren Seed

Ph: 604.493.2004

Zinc8 Energy Solutions Inc.

Ron MacDonald

Ph: 604.558.1406

Email: investors@zinc8energy.com