



ENERGY MATERIALS FOR THE 21<sup>ST</sup> CENTURY

**GRAPHITE**

**SEPTEMBER 9, 2020**

**Christopher M. Jones**

*Chief Executive Officer*

(Nasdaq:WWR)

**Jeff Vigil**

*Chief Financial Officer*

**Dain McCoig**

*Vice President*

*Operations*

# CAUTIONARY STATEMENT

## CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements convey our current expectations or forecasts of future events. Forward-looking statements are subject to risks, uncertainties and assumptions and are identified by words such as “may,” “could,” “should,” “would,” “believe,” “estimate,” “expect,” “anticipate,” “plan,” “forecast,” “potential,” “intend,” “continue,” “project”, “scheduled”, and variations of these words, comparable words and similar expressions. All statements addressing operating performance, events or developments that Westwater expects will occur in the future, including but not limited to statements relating to (i) the expected future growth in the demand for graphite, graphite products and vanadium; (ii) the timing or occurrence of the construction and operation of a pilot plant or commercial scale processing facility for battery-graphite manufacturing business; (iii) potential benefits from vanadium by-product sales on the Coosa Project; (iv) the timing or occurrence of any future drilling or production from the Company’s properties or projects, and the anticipated economics and rate of return from the Company’s projects; (v) the adequacy of funding, the Company’s liquidity, the Company’s anticipated cash burn rate and capital requirements; and (vi) future governmental action to promote the production or price of domestically produced graphite, are forward-looking statements.

Because they are forward-looking, they should be evaluated in light of important risk factors and uncertainties. Factors that could cause actual results to differ materially from these forward-looking statements include, among others: (i) the availability of capital to the Company; (ii) the spot prices and long-term contract prices of graphite, vanadium, and uranium; (iii) competition from other suppliers of graphite and vanadium; (iv) the ability of Westwater to enter into and successfully close acquisitions, dispositions or other material transactions, including the proposed transaction with enCore; (v) government regulation of the mining industry and the nuclear power industry in the United States; (vi) operating conditions at our mining projects; (vii) the world-wide supply and demand of graphite, vanadium, and uranium; (viii) weather conditions; (ix) unanticipated geological, processing, regulatory and legal or other problems we may encounter, including the impact of COVID-19; (x) the results of our exploration activities, and the possibility that future exploration results may be materially less promising than initial exploration result; (xi) any graphite, vanadium, or uranium discoveries not being in high enough concentration to make it economic to extract the metals; (xii) currently pending or new litigation or arbitration; (xiii) Westwater’s ability to maintain and timely receive mining and other permits from regulatory agencies; and (xiv) other factors which are more fully described in our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, and other filings with the SEC.

Although we have attempted to identify important factors that could cause actual results to differ materially from those described in forward-looking statements and forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. You are cautioned not to place undue reliance on forward-looking statements. There can be no assurance that these statements will prove to be accurate as actual results and future events could differ materially from those anticipated in the statements. Actual results may differ materially from those expressed or implied by these forward-looking statements because of, among other reasons, the factors described above and in the periodic reports that we file with the SEC from time to time, including Forms 10-K, 10-Q and 8-K and any amendments thereto. Except as required by law, we assume no obligation to publicly update any forward-looking statements and forward-looking information, whether as a result of new information, future events or otherwise.

## BINDING LETTER OF INTENT IN PLACE TO SELL URANIUM ASSETS

Westwater Saves \$4.3 M in annual operating costs

- *Westwater receives \$1.95 million in shares of enCore Energy (TSX.V EU)*
  - *Westwater participates in any upside for uranium markets at no cost.*
- *Transfers all New Mexico Properties to enCore Energy*
  - *Royalties on all New Mexico Properties to Westwater*
    - *2.5 % Net Profit Interests on Juan Tafoya and Cebolleta properties*
    - *2% Net Smelter Return Royalty on all other New Mexico Properties*
- *Transfers Texas properties to enCore Energy*
  - *Transfers all reclamation responsibility to enCore Energy, including bonds and some collateral*
- *Westwater saves \$4.3 million per year – money that can be devoted to graphite development*
- *Expected to close by December 31, 2020*

## OWNER OF LEADING GRAPHITE DEVELOPMENT PROPERTY IN US

- **We continue to work with our business partners to maintain our advanced battery graphite product development schedule:**
  - We have developed a new, proprietary process for purifying graphite and applied for a US Patent.
  - Dorfner Anzaplan, our technical consultant, continues to provide results that will shape our pilot plant operations, scheduled for Q4 2020/Q1 2021
- **Westwater has prevailed in a key decision in its case for compensation from the Republic of Turkey**
  - ICSID tribunal turned down Turkey's request for bifurcation of the case
  - Westwater requests \$36.5 million plus fees
  - Hearing scheduled for September 2021

## COOSA GRAPHITE PROJECT KEY ATTRIBUTES



### Proprietary Technology

- High Purity Conversion
- Simple and Robust Process



### Cost Advantage

- U.S. Manufactured Natural Graphite
- Vanadium Potentially Improves Project Economics



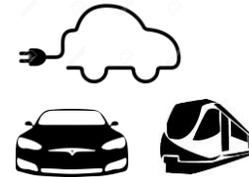
### Sustainability

- Environmentally Sustainable Process

# BATTERIES AND THEIR ROLE IN CLEAN ENERGY

## Transportation

- Global electric vehicle sales projected to be half of the global market in 2040 – a 25-fold increase from 2019
- Transportation sector accounts for 23% of greenhouse gas emissions, accelerating demand for low emission alternatives



**23% Growth Rate**  
(2019-2025)

## Energy Storage

- Demand is expected to be driven by grid and peak demand management
- The enabling technology for renewable energy
- Storage battery demand growth more than 11% per year



**11% Growth Rate**  
(2019-2025)

## Consumer Electronics

- Demand growth will be supported by smart phone, portable PC and tablet battery demand

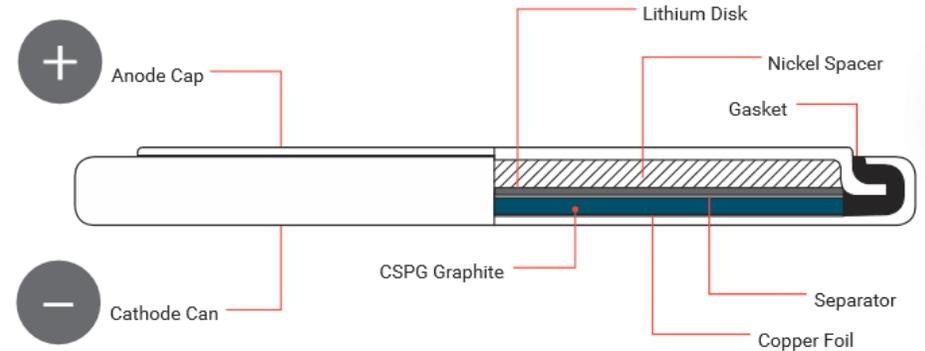


**3% Growth Rate**  
(2019-2025)

# GRAPHITE IS A MAJOR COMPONENT OF ALL BATTERIES

## Why Graphite Matters:

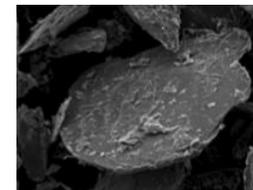
- A critical component of all types of batteries including lead-acid, alkaline power cells and non-rechargeable lithium cells
- Coated Purified Spherical Graphite (CPSG) is a critical component in lithium-ion batteries \*
- The US Government has defined graphite as “Critical to the nation’s security and prosperity”\*\*



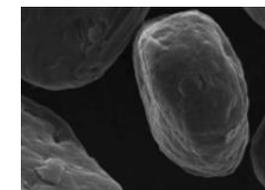
GRAPHITE MINING  
ALABAMA, USA



PRIMARY  
PROCESSING  
96.7% Cg PURITY  
(Across All Flake sizes)



SECONDARY  
PROCESSING  
99.99% Cg PURITY



SPECIALTY  
CSPG GRAPHITE  
FOR LI-ION BATTERIES

\* Roskill Natural and Synthetic Graphite Report, May 2017

\*\* <https://www.federalregister.gov/documents/2018/05/18/2018-10667/final-list-of-critical-minerals-2018>

## THE COOSA GRAPHITE PROJECT PROVIDES KEY ADVANTAGES

The Coosa Graphite Project is the only near-term source of domestic U.S. natural graphite

- Pilot plant design and pre-construction work underway
- Customer qualification is underway – a one-tonne bulk sample order has been received!
- Westwater's graphite will be produced using environmentally sustainable processes in the United States
- Westwater's graphite products serve all battery markets!
- Westwater's vanadium discovery at Coosa could contribute revenues

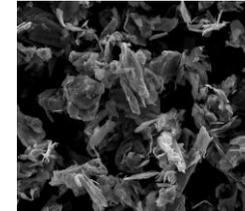


## BATTERY GRADE PRODUCTS — *PRESENTLY BEING TESTED BY PROSPECTIVE CUSTOMERS*

### **ULTRA-PMG™ - Purified Micronized Graphite**

Conductivity enhancer for all types of batteries

Largest market is lead-acid batteries

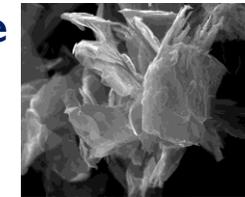


Bulk sample  
requested by major  
battery  
manufacturer!

### **ULTRA-DEXDG™ - Delaminated Expanded Graphite**

Improves electrical conductivity in batteries

Target markets are lithium ion, lithium, lead-acid and alkaline power cells

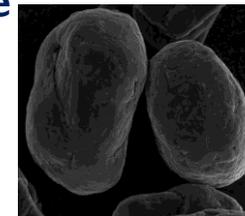


Process design work  
underway!

### **ULTRA-CSPG™ - Coated Spherical Purified Graphite**

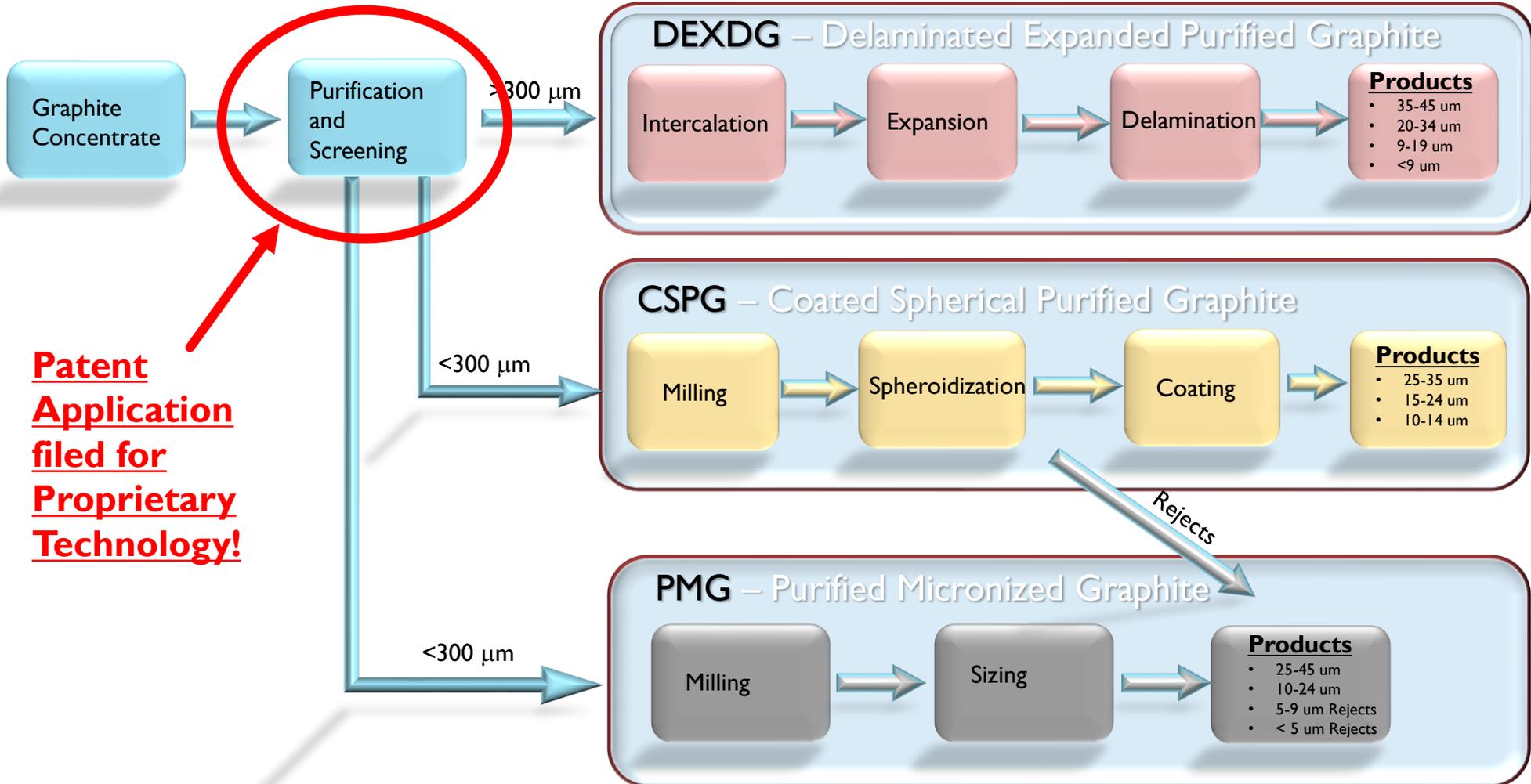
High performance anode material for lithium ion batteries

Target market is the rapidly growing electric automobile sector



R&D project  
underway with  
automobile  
manufacturer!

# BATTERY GRAPHITE PROCESS FLOWSHEET



**Patent Application filed for Proprietary Technology!**

## BUSINESS PLAN FOR THE COOSA GRAPHITE PROJECT - OVERVIEW

- Project Plan
  - Pilot plant design underway with our engineering partner Dorfner Anzaplan
  - Pilot plant start-up expected in Q4 2020, generating products for pre-qualification in large batches to facilitate sales
  - Full scale production expected on purchased feedstock in 2022 producing battery graphite
  - Westwater expects to mine the Coosa graphite deposit beginning in 2028

# GRAPHITE PROJECT PLAN

	2020	2021	2022	2023	2024	2025	2026	2027	2028
Pilot Plant		Customer Qualification 75MT							
Full-Scale Plant			Commercial Production						
			3150MT	6300MT	6300MT	6300MT	6300MT	6300MT	15000MT
Feedstock Purchase	Non-China Natural Graphite Source								
Coosa Mining								US- Based Feedstock	

- Customer qualification using pilot plant products and ensuring the same product specifications and quality in commercial plant
- Natural graphite feedstock secured with contract through 2027 (renewable)
- Ensuring adequate financial liquidity to support our key operations and business activities:

# BUSINESS PLAN FOR THE COOSA GRAPHITE PROJECT

- Project Economics\*
  - Project Capex \$54.5 million
  - First full year of positive cash flow 2023
  - Project pretax NPV at 8% to be \$481 million
  - Project pretax internal rate of return = 41%
  - Vanadium development can enhance these economics!
  - We are considering equity, project level debt and joint venture structures for financing

\*All estimates include 15% contingency and allowance for working capital

## SIGNIFICANT VANADIUM DISCOVERY CONFIRMED

- Independent lab results demonstrated a wide-spread distribution of vanadium mineralization throughout the central portion of the Coosa Project
- Exploration is planned for 2<sup>nd</sup> half 2021
- Recent assay results indicate values from 0.15% vanadium pentoxide (V<sub>2</sub>O<sub>5</sub>) to 0.40% V<sub>2</sub>O<sub>5</sub>.
- Steel markets providing a base load demand for vanadium, and increased use in electrical energy storage systems
- Prices for V<sub>2</sub>O<sub>5</sub> are presently \$5-7/lb\* and future prospects for increased vanadium demand can be expected to drive pricing
- Vanadium by-product sales can enhance Coosa economics!



## OUR TEAM: TENURED LEADERS IN ENERGY MINERALS DEVELOPMENT

**Christopher M. Jones,**  
 President and CEO

- Joined in March 2013; more than 35 years of industry experience; licensed Professional Engineer (US and Canada), taking projects from concept to production
- B.S. in Mining Engineering from South Dakota School of Mines; MBA from Colorado State University

**Jeffrey L. Vigil,**  
 VP Finance and CFO

- Joined in June 2013; more than 40 years of financial experience, in mining and manufacturing
- B.S. in Accounting from the University of Wyoming; licensed CPA

**Dain A. McCoig,**  
 VP Operations

- Joined in 2004; experienced in all phases of ISR development and production; licensed Professional Engineer in Texas
- B.S. in Mechanical Engineering from Colorado School of Mines

**Cevat Er**  
 VP- Technical Services

- Joined in 2015. Founder of SRK Ankara, with 30 years of Turkish and US mining and environmental experience taking projects from concept to production
- M.Sc. from University of Arizona, and B.S. Geological Engineering

**John W. Lawrence,**  
 General Counsel and Corporate Secretary

- Joined in 2012; more than 30 years of experience in law and licensing across nuclear fuel cycle
- B.S. in Nuclear Engineering from Purdue University and a J.D. from Catholic University, Columbus School of Law

Jay Wago,  
 VP Marketing and Sales

- Joined in 2020, more than 20 years experience in sales and marketing to the lithium ion and electric vehicle markets in the US and Asia.
- BSBA Marketing from Georgia State University

## EXPERIENCE MATTERS

Energy minerals exploration and development requires discipline and diligent capital stewardship:

- We have restructured and recapitalized the Company, repositioning Westwater as an energy materials company – With a laser focus on Battery Graphite Products
- Experienced management team with a demonstrated history in finance and green energy development from concept to production
- We have executed a proactive M&A program: Sale of non-core uranium properties to redeploy capital expanding our resource base into green energy materials

## WHY WESTWATER AS AN INVESTMENT?

- We have a battery graphite development business with strong upside potential
- Proven management team with experience in energy minerals development and financial management
- Anticipate catalysts in the remainder of 2020 and 2021
  - Coosa Graphite Project development and project milestone achievement
  - Leading graphite developer in US.
  - Vanadium presents possible upside



ENERGY MATERIALS FOR THE TWENTY-FIRST CENTURY

## Contact Us

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