



ENERGY MATERIALS FOR THE 21ST CENTURY

Christopher M. Jones

*President &
Chief Executive Officer*

Jeffrey L. Vigil

*Vice President Finance &
Chief Financial Officer*

Dain A. McCoig

Vice President – Operations

Q1 2018 Results & Business Update Conference Call

11:00 a.m. MT, Monday, May 14, 2018

CAUTIONARY STATEMENT

This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements are subject to risks, uncertainties and assumptions and are identified by words such as “expects,” “estimates,” “projects,” “anticipates,” “believes,” “could,” and other similar words. All statements addressing operating performance, events, or developments that Westwater Resources, Inc. (“WWR”) expects will occur in the future, including but not limited to statements relating to (i) mineralization and other developments at our graphite, lithium and uranium projects, (ii) synergies between our graphite, uranium and lithium businesses, (iii) the timing, occurrence, rates and cost of production at the properties in the United States and Turkey, including statements regarding future growth pipeline, (iv) the cost of graphite, lithium and uranium production at the properties, (v) future prices and demand for graphite, lithium and uranium, (vi) capital resources, capitalization and ownership, including relationships with major shareholders, (vii) additions of reserves and resources and the occurrence, extent and results of any future exploration program, (viii) mineral resources and exploration results, which includes inferred resources (see “Cautionary Note Regarding References to Resources and Reserves”), (ix) plans for capital management, revenue, cash generation and profits are forward-looking statements, and (x) the ability to integrate the Alabama Graphite entities and its projects into WWR.

Because they are forward-looking, they should be evaluated in light of important risk factors and uncertainties.

These risk factors and uncertainties include, but are not limited to, (i) our ability to raise additional capital in the future and continue as a going concern, (ii) the spot price and long-term contract price of graphite, uranium and lithium, (iii) risks associated with our foreign operations, (iv) risks associated with WWR expanding its business into graphite and lithium, (v) competition from more experienced or better capitalized companies, (vi) operating conditions at our projects, (vii) government and tribal regulation of the uranium industry and the nuclear power industry, (viii) world-wide graphite, lithium and uranium supply and demand, (ix) maintaining sufficient financial assurance in the form of sufficiently collateralized surety instruments, (x) unanticipated geological, processing, regulatory and legal or other problems we may encounter, including in Turkey and in expanding into the graphite and lithium businesses, (xi) the ability of WWR to enter into and successfully close acquisitions or other material transactions, (xii) the fact that NI 43-101 and JORC Code reports describe various types of “resources” which are not recognized by the SEC, inferred resources are the lowest standard of resource allowed under NI 43-101 standards and may not qualify as “mineralized material” under SEC staff positions, “reserves” are defined differently by the SEC and under NI 43-101 standards (see “Cautionary Note Regarding References to Resources and Reserves”), (xiii) timely receipt of recovery and other permits from regulatory agents, 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.

Should one or more of these risks or uncertainties materialize, or should any of the underlying assumptions prove incorrect, actual results may vary materially from those currently anticipated. In addition, undue reliance should not be placed on forward-looking statements. Except as required by law, WWR disclaims any obligation to update or publicly announce any revisions to any of the forward-looking statements contained in this presentation.

CAUTIONARY NOTE REGARDING REFERENCES TO RESOURCES AND RESERVES

WWR discloses mineral resources, including inferred resources, pursuant to the Canadian Institute of Mining, Metallurgy and Petroleum Standards (CIM Standards) for reporting mineral resources and reserves, and Canadian National Instrument 43-101 (NI 43-101). In the instance of the Temrezli Project in Turkey, mineral resources are reported within the context of the 2012 edition of the “Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves” (the JORC Code). Investors are cautioned that the requirements and terminology of NI 43-101, the CIM Standards, and the JORC Code differ significantly from the requirements and terminology of the SEC set forth in the SEC’s Industry Guide 7 (“SEC Industry Guide 7”). Accordingly, the Company’s disclosures regarding mineralization may not be comparable to similar information disclosed by the Company in the reports it files with the SEC. Without limiting the foregoing, while the terms “mineral resources,” “inferred resources,” “indicated resources” and “measured mineral resources” are recognized and required by NI 43-101 and the CIM Standards, they are not recognized by the SEC and are not permitted to be used in documents filed with the SEC by companies subject to SEC Industry Guide 7. Mineral resources which are not mineral reserves do not have demonstrated economic viability, and investors are cautioned not to assume that all or any part of a mineral resource will ever be converted into reserves. Further, inferred resources have a great amount of uncertainty as to their existence and as to whether they can be mined legally or economically. It cannot be assumed that all or any part of the inferred resources will ever be upgraded to a higher resource category.

Under Canadian rules, estimates of inferred mineral resources may not form the basis of a feasibility study or pre-feasibility study, except in rare cases.

The SEC normally only permits issuers to report mineralization that does not constitute SEC Industry Guide 7 compliant “reserves” as in-place tonnage and grade without reference to unit amounts. In addition, the NI 43-101, CIM Standards and the JORC Code definition of a “reserve” differ from the definition in SEC Industry Guide 7. In SEC Industry Guide 7, a mineral reserve is defined as a part of a mineral deposit which could be economically and legally extracted or produced at the time the mineral reserve determination is made, and a “final” or “bankable” feasibility study is required to report reserves. The three-year historical price (or in certain circumstances, a contract price) is used in any reserve or cash flow analysis of designated reserves and the primary environmental analysis or report must be filed with the appropriate governmental authority. WWR discloses non-reserve mineralized material that is considered too speculative geologically to be categorized as reserves under SEC Industry Guide 7. Estimates of non-reserve mineralized material are subject to further exploration and development, are subject to many risks and highly speculative, and may not be converted to future reserves of WWR. Investors are cautioned not to assume that all or any part of such non-reserve mineralized material exists, or is economically or legally extractible. Mineralized material that are not reserves do not have any demonstrated economic viability.

COMPETENT PERSON STATEMENTS

Technical information in this release was reviewed by Dean T. Wilton - P.G., C.P.G. and MAIG, Chief Geologist of Westwater Resources, Inc. Mr. Wilton is a Certified Professional Geologist (CPG-7659) as defined by the American Institute of Professional Geologists and is a member (6384) of the Australian Institute of Geoscientists. As such he fulfills the requirements to be a “Qualified Person” as defined by Canadian National Instrument 43-101, and a “Competent Person” as defined in the 2012 Edition of the *Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves* (JORC Code). Mr. Wilton has approved the technical information disclosed, and the form and context in which it appears.

Information in this presentation which relates to the Temrezli, Turkey Project’s Mineral Resources and Exploration Results is based on information compiled by Mr. Dmitry Pertel and Mr. Robert Annett, who are Members of the Australian Institute of Geoscientists (“AIG”). Mr. Pertel is employed by CSA Global Pty Ltd and Mr. Annett was a non-Executive Director of Anatolia Energy Ltd prior to its acquisition by Westwater Resources, Inc. Mr. Pertel and Mr. Annett each have over 20 years of exploration and mining experience in a variety of mineral deposit styles, and have sufficient experience which is relevant to the style of mineralization and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the “Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr. Pertel and Mr. Annett consent to inclusion in this presentation of the matters based on their information in the form and context in which it appears.

DISCLOSURE REGARDING FOREIGN RESERVES & RESOURCES

WWR wishes to confirm that the information reported in relation to the WWR Mineral Resources, exclusive of the Temrezli, Turkey uranium project, are on the basis of a “foreign estimates” (Foreign Estimate) and as such are not reported in accordance with the JORC Code. The following additional information is provided in accordance with Listing Rule 5.12.

The information provided in relation to Foreign Estimates was extracted from WWR’s website and various filings with the SEC (USA). WWR discloses Mineral Resources (exclusive of the Temrezli, Turkey uranium project), including inferred resources, pursuant to the CIM Standards and Canadian National Instrument NI 43-101.

WWR believes that the categories of mineralization reported are similar to the JORC Code (2012) classification. The Foreign Estimates in their current form are considered to be accurate representations of the available data, and are the most recent Resource Statements by WWR. WWR considers the Foreign Estimates to be material to WWR. WWR also believes that the Foreign Estimates are relevant to shareholders as they provide an indication of the current estimated mineralization under the control of WWR. WWR believes that the Foreign Estimates are sufficiently reliable and consistent with estimation methodologies commonly used at the time of their estimation. WWR reported the Foreign Estimates and has been involved in the evaluation of these deposits. WWR has significant experience in uranium exploration and the production of uranium from its uranium assets the United States, and files all necessary information relating to their activities with the governing authorities (SEC).

Information relating to the key assumptions, mining and processing parameters, and methods used to prepare the Foreign Estimates are documented in a number of historic NI 43-101 reports held by URI, and various filings with the SEC.

Cautionary Statement

The foreign estimates of mineral resources and reserves in this presentation are not reported in accordance with the Australasian JORC Code. A competent person has not done sufficient work to classify the foreign estimates as mineral resources or ore reserves in accordance with the JORC Code but WWR notes the close similarity of the Canadian NI 43-101 and JORC classification systems. It is uncertain that following evaluation and/or further exploration work that the foreign estimates will be able to be reported as mineral resources or ore reserves in accordance with the JORC Code. This will require new estimates and future reporting under JORC (2012).

WESTWATER YTD 2018 HIGHLIGHTS

- Acquisition of Alabama Graphite Complete.
- Optimized Graphite Plan Defined.
- Adding to Management Team to capitalize on experience to develop our growing business.
- Continued Reclamation at Rosita and Vasquez working towards bond release.
- Texas Supreme Court Success.
- Analyst Coverage initiated by Crystal Equities.
- Cash balance at March 31 was \$1.6 million.

CORPORATE SNAPSHOT

Shares outstanding ¹	42.3 million
Options/Warrants ¹	2.8 million
Share Price (5/7/2018)	US\$0.48
Market Capitalization (5/7/2018)	US\$20.3 million
Cash and Equivalents (3/31/2018) ²	US\$1.6 million
Liquidity (3 Mo. Avg.)	0.189 million shs/day
Debt	US\$0



Analyst Coverage:
 Debra Fiakas – Crystal Equities
 Research.

¹ Shares outstanding are as of May 7, 2018.

² Does not include US\$3.7million in restricted cash.

FINANCIAL SUMMARY

(\$ and Shares in 000, Except Per Share)	Q-2018	Q1-2017	Variance
Net Cash Used in Operations	\$ (3,696)	\$ (3,287)	12%
Mineral Property Expenses	\$ (782)	\$ (769)	2%
General and Administrative, including Non-cash Stock Compensation	\$ (1,805)	\$ (1,668)	8%
Net Income (Loss)	\$ (3,419)	\$ 1,845	-285%
Net Income (Loss) Per Share	\$ (0.12)	\$ 0.09	-233%
Avg. Weighted Shares Outstanding	27,968	21,602	29%

TRANSPORTATION MARKET GROWTH

The ongoing global shift toward low- and zero-emission transportation alternatives will continue to drive graphite and lithium demand:

- United Kingdom and France have announced they will prohibit the sale of petrol and diesel vehicles by 2040.
- China, the largest new car market in the world, has mandated all auto manufacturers sell a minimum of 8% “new energy vehicles” which includes plug-in hybrid, battery electric, and fuel cell powered cars.
- Volvo vowed to cease production of the combustion engine, promising every vehicle the automaker produces after 2019 will have an electric motor.
- Governments around the world continue to incentivize electric vehicle ownership through corporate subsidies and tax-incentives for buyers.



Notably, demand for the most lithium-intensive applications is expected to grow at the fastest rate.



*Data sourced from 2016 CRU Lithium Market Outlook

ENERGY STORAGE

Large battery storage is an enabling technology for solar and wind power as it has the potential to greatly reduce the issue of intermittence associated with these important next generation technologies.

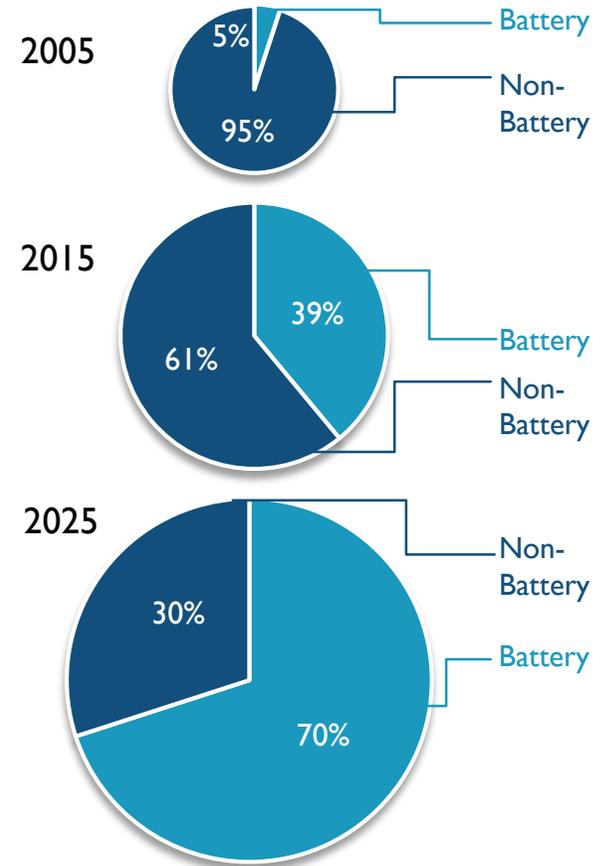
Renewable Energy Growth (2013 – 2020)



Wind: ~10% CAGR



Solar: ~17% CAGR

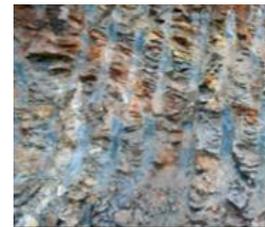
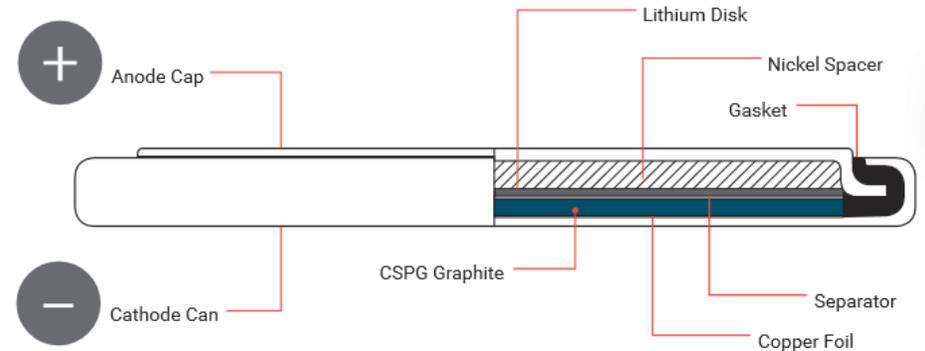


Energy storage unlocks value in existing assets by increasing rates of utilization

THE LITHIUM-ION BATTERY: GRAPHITE IS A MAJOR COMPONENT

Why Graphite Matters:

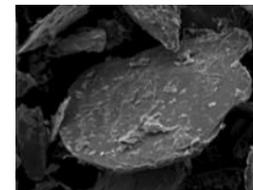
- It takes 10 to 30 times more graphite than lithium to make a lithium-ion battery — the minimum graphite purity required is 99.95% Cg.
- Coated Spherical Graphite (CSPG) is a critical input material for the anode in lithium-ion batteries which can be processed from natural or synthetic graphite. It sells for a significant premium to graphite flake concentrate with projected strong demand growth.
- Each electric car contains 100 to 200+ pounds of CSPG.
- Graphite is a **critical strategic mineral**.
- Although there are ~200 graphite applications, the one with the most significant and enduring future demand is lithium-ion batteries (graphite is used to manufacture the anode in a lithium-ion battery).



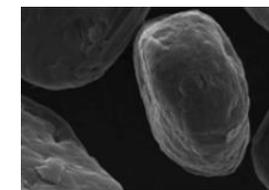
GRAPHITE MINING
ALABAMA, USA



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



SECONDARY
PROCESSING
99.99% Cg PURITY

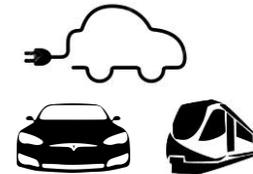


SPECIALTY
CSPG GRAPHITE
FOR LI-ION BATTERIES

BATTERIES AND THEIR ROLE IN CLEAN ENERGY

Transportation

- Global electric vehicle sales projected to increase at CAGR of 22% through 2025.
- Transportation sector accounts for 23% of greenhouse gas emissions, accelerating demand for low emission alternatives.



CAGR: **22%**
(2016-2025)

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.



CAGR: **11%**
(2016-2025)

Consumer Electronics

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



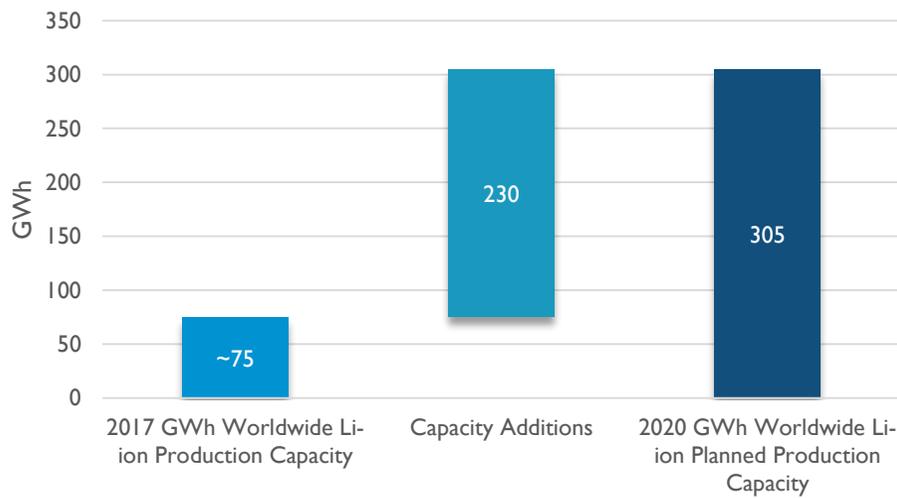
CAGR: **3%**
(2016-2025)

BATTERY MATERIALS SUPPLY MUST RISE TO MEET DEMAND

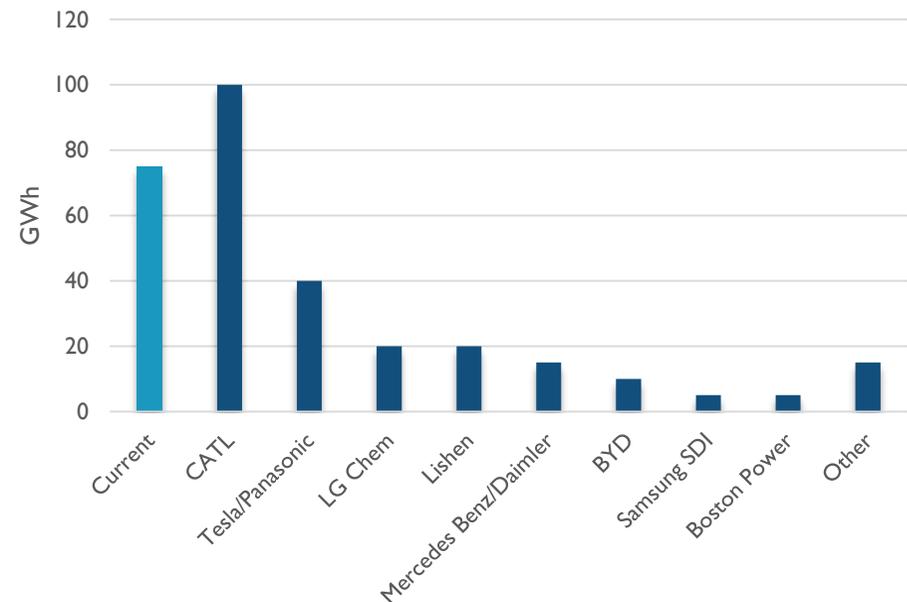
Demand Drivers:

- ~230 GWh of capacity additions are expected from 15-20 battery facilities at a cost of ~US\$10 billion.
- This includes lithium ion, alkaline power cells and lead acid batteries.
- Lithium is a key supply component for the growing market in transportation batteries.
- All of these battery types use conductivity enhancers made from advanced graphite products.

2017 to 2020 Global Li-ion Production Capacity (GWh)



Li-ion Battery Capacity Expansions by 2020 (GWh)



*Data sourced from Benchmark Minerals, Lux Research, and Bloomberg.

THE COOSA GRAPHITE PROJECT PROVIDES KEY SYNERGIES & LEVERAGE

This acquisition significantly increases Westwater's leverage to fast growing energy minerals end markets while simultaneously pulling forward revenue and cash flow opportunities.

- Project/development targets place it in the lowest cost quartile when compared to the world's producers.
- Only battery-grade graphite project in the contiguous USA.

The Coosa Graphite Project is an American project.

- Current production is controlled by China with an unsustainable environmental footprint.
- Battery manufacturers are now being held accountable for proper, environmentally sustainable supply chain management.
- The importance of U.S. security of supply has been affirmed through a Presidential Executive Order.



DE-RISKED BUSINESS PLAN FOR THE COOSA GRAPHITE PROJECT



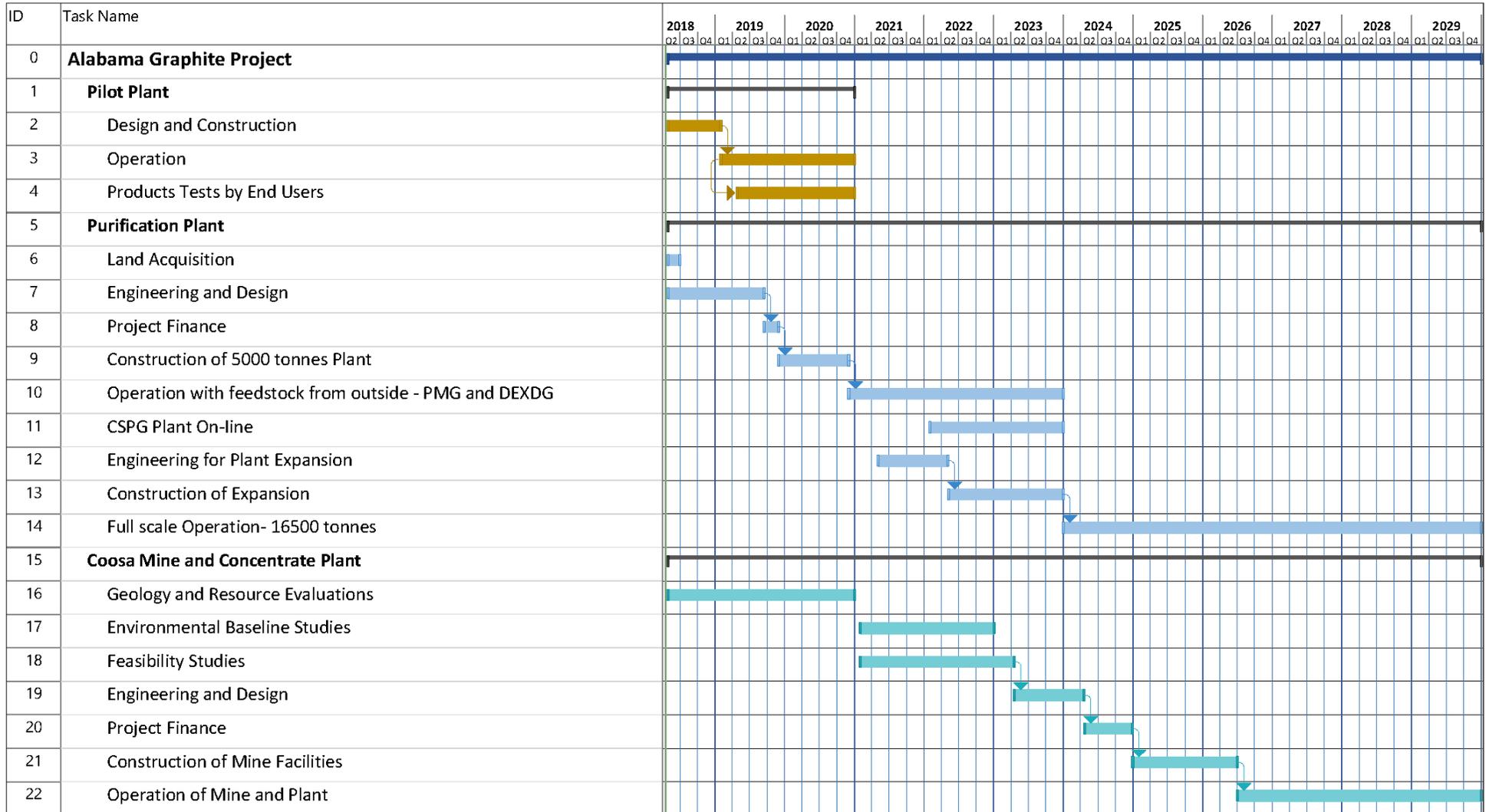
- De-risked Project Plan Expectations:
 - Processing plans to use proven, environmentally sustainable technology.
 - Processing begins on purchased feedstock, widely available right now.
 - The mine is deferred, permitting is no longer the critical path.
 - Pilot plant starts in 2019, generating products for pre-qualification in large batches.
 - Processing begins in 2020.
 - Economics no longer solely dependent on CSPG.
- De-risked Product Profile Expectations:
 - Production starts with simpler PMG product in 2020.
 - DEX-DG production slated for 2021.
 - CSPG production slated for 2023.
 - Mining begins in 2026.
- Speed to market counts in the battery materials space – and this plan works to place advanced graphite materials in the market earlier than originally contemplated!

OPTIMIZED COOSA GRAPHITE PROJECT ECONOMICS

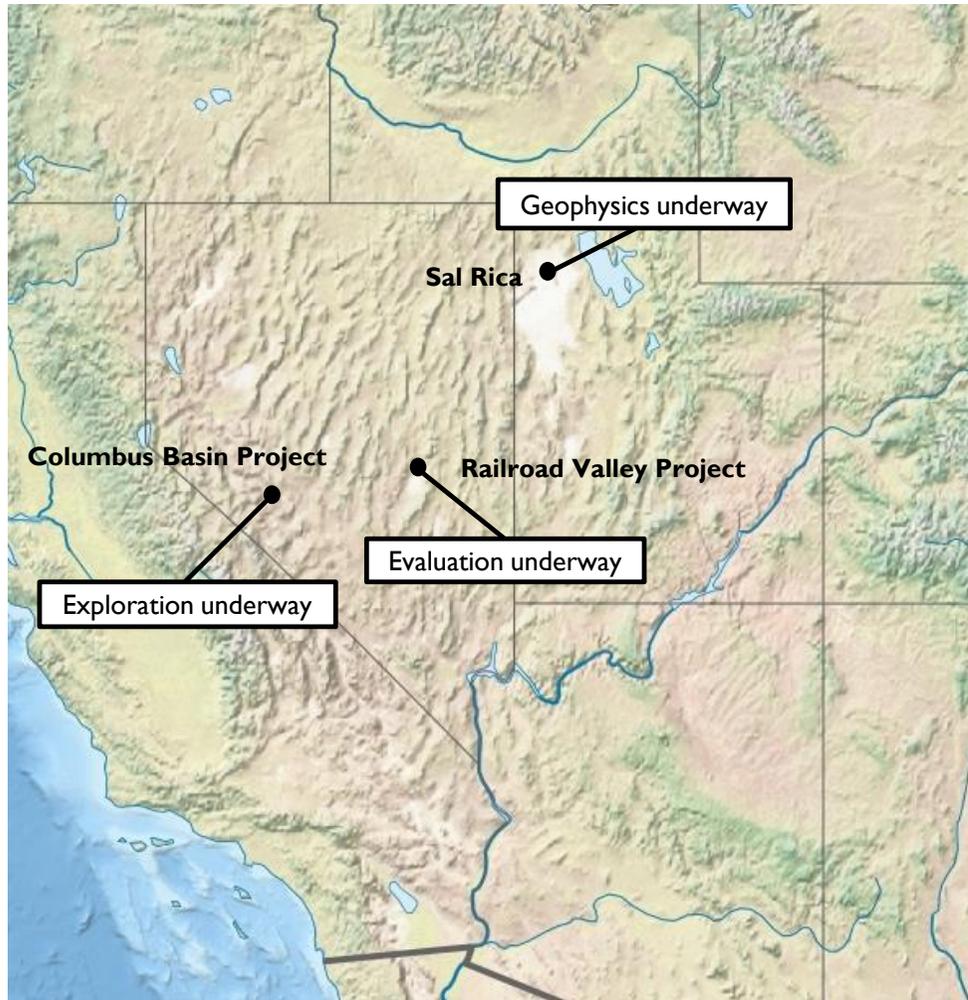


Pretax NPV	\$400.0 – 500.0 million (depending on contingency)
Pilot Plant & Land	\$7.0 million
Plant and Permitting	\$35.0 million
Positive cash flow	2021
Revenues	2020
External Capex Required	\$42.0 million (including Pilot Plant)

COOSA GRAPHITE PROJECT SCHEDULE



WESTWATER LITHIUM PROJECTS



COLUMBUS BASIN:

- Expanded to >14,000 acres; good highway, power access and ample groundwater.
- Water rights owned by Westwater.
- Phase 1 drilling program complete with encouraging results. Phase 2 planning underway.

SAL RICA:

- 13,260 acres with good road and power access.
- Sample results ranging up to 100 ppm from shallow aquifers.
- Application for exploration permit and water rights underway.
- Geophysical data has been evaluated.

RAILROAD VALLEY:

- Acquired approximately 9,300 acres of federal placer mining claims in the Railroad Valley of Central Nevada in June 2017.
- Project covers an area where company-led reconnaissance sediment sampling returned lithium values as high as 366ppm.
- Water rights application process underway.

URANIUM: STILL A STRATEGIC FOCUS

WHY URANIUM?

- Nuclear power represents only electrical base load solution for global electric power growth driven by economic expansion and a focus on carbon reduction.
- The global nuclear fleet is expected to grow more than 35% over the next 10 years.*
- China, India, Russia and Korea are building or have ordered 130 new reactors.*

AMBROSIA LAKE PROJECT

- Technical Report released shows that it is a property of merit.

WEST LARGO PROJECT

- Technical Report underway.

SOUTH TEXAS

- Success at Texas Supreme Court.
- Reclamation continues at Rosita and Vasquez.



TEMREZLI PROJECT

- Long life, low capital and operating cost project.
- Pre-Feasibility completed February 2015:
 - Average annual production of 800,000 pounds of uranium over 12 years.
 - Average cash operating costs of US\$16.89/ lb. U3O8.
 - FCF of greater than US\$345M over life of mine.

EXPERIENCE MATTERS — DEMONSTRATED HISTORY BY MANAGEMENT

Energy minerals exploration and development is a process that requires discipline and diligent capital stewardship:

- Restructured and recapitalized Company over the past several years, repositioning Westwater as a broad, diversified energy minerals company.
- Experienced management team with a demonstrated history of developing numerous mineral properties through production.
- Demonstrated ability to raise capital.
- Proactive M&A program which helped reposition WWR's uranium asset base around low production cost assets, selling non-core uranium properties for capital which was redeployed to cost effectively expand resource base into lithium in 2016.
- Acquired Alabama Graphite Corp. in April 2018 to cost-effectively expand energy material resource base.
- Reduced total mineral property and G&A expenses consistently over the last five years.

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)
- B.S. in Mining Engineering from South Dakota School of Mines and an MBA from Colorado State University

Jeffrey L. Vigil,
VP Finance and CFO

- Joined in June 2013; more than 40 years of financial experience, including 25 years of mining background with 10 years in the uranium sector
- 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
- Managed design and construction of Rosita Facility in Texas
- B.S. in Mechanical Engineering from Colorado School of Mines

Tyler W. P. Dinwoodie
VP Marketing

- Seasoned marketing professional in the graphite space
- Former President of Alabama Graphite
- Attended McMaster University and Laurentian University

Cevat Er
VP- Technical Services and Country
Manager – Turkey

- Joined in 2015. Founder of SRK Ankara, with 30 years of Turkish mining and environmental experience
- 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

WESTWATER VALUE PROPOSITION

- NO OTHER COMPANY OFFERS THIS COMBINATION OF STRENGTHS!
 - Continuing to expand our portfolio in green energy materials
 - Coosa Graphite Project in Alabama.
 - Three lithium exploration projects in the western US.
 - Temrezli Uranium Project.
 - One of the largest uranium mineralization bases in the U.S.
 - Two licensed uranium processing facilities in Texas.
 - Debt free with cash and financial facilities in place to fund through mid-2019.
 - Experienced Management Team
 - Monetizing non-core assets.
 - Continued reclamation success.
 - News flow throughout 2018:
 - Coosa Graphite Project development and project milestone achievement.
 - Exploration and water rights milestones achievement on our lithium projects.

BUSINESS UPDATE

Thanks for your time and attention today.

QUESTIONS?