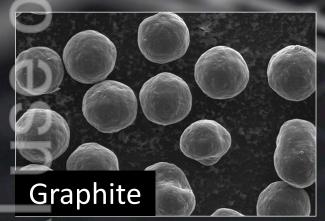
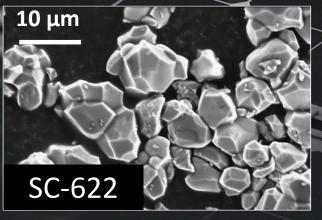
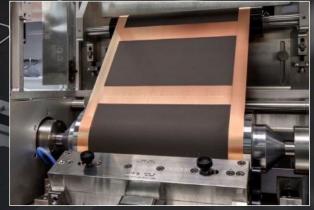
NOVONIX

NOVONIX LIMITED (ACN 157 690 830)









Quarterly Activities Report January – March 2021

Corporate Activities (1 of 2)

January – March 2021

- NOVONIX was added to the OTCQX Composite Index and the OTCQX International Index − 14 January 2021
- Prof. Jeff Dahn appointed Chief Scientific Advisor to the Company (effective July 2021) 19 January 2021
- Awarded US\$5.57M from U.S. Department of Energy for new furnace technology development 21 January 2021
- Entered into a new five year research sponsorship agreement with Mark Obrovac's Research Group of Dalhousie University 12 February 2021
- Announced Emera and NOVONIX to partner on innovative residential energy storage technology 19 February
- Completed fully underwritten AUD \$115M placement of new fully paid ordinary shares to institutional and sophisticated investors at an offer price of \$2.90 (Institutional Placement). Proceeds of the capital raise dedicated to scaling NOVONIX Anode Materials to 10,000 tonnes capacity, investment in R&D, and to pursue international partnership opportunities 26 February 2021
- Raised AUD \$16.45M though a placement to Directors of NOVONIX, pending shareholder approval 26
 February 2021
- Cash balance as of 31 March 2021: \$131 million

Agreements with Battery Makers





SANYO Electric Co., Ltd. a subsidiary of Panasonic Corporation of Japan



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Corporate Activities (2 of 2)

Post-March Quarter:

- Post-March Quarter:
 - Cancellation of Share Purchase Plan –7 April 2021
 - Approved director placement at EGM 27 April 2021
 - Generation 2 mass production started, and successful internal qualification of material completed
- NOVONIX continues to:
 - Monitor clean energy policies in North America and Europe and liaise with relevant agencies
 - Provide samples of anode product and engage in discussion of qualification requirements and production capacity planning with prospective cell manufacturer and automotive OEM customers
 - Engage and progress relationships with multiple international partners for potential technology partnership opportunities
 - Leverage NOVONIX Battery Technology Solutions' (BTS) position in the market to identify strategic partnership opportunities for new technology development with new and existing customers



NOVONIX Anode Materials Activities

January – March 2021

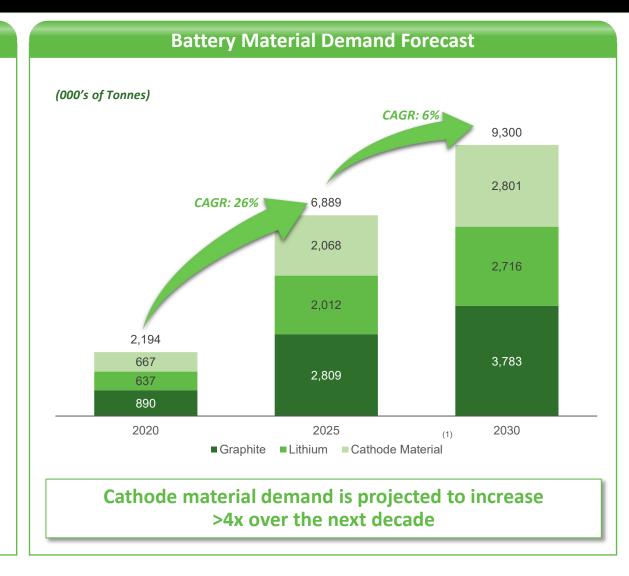
- Furnace Systems and Production Capacity:
 - Completed installation of first Generation 2 furnace system built by Harper under our strategic partnership program
 - Began production of material through Generation 2 system to support next steps in customer qualification programs for Samsung SDI, Sanyo and other cell and automotive manufacturers as potential customers [Post Quarter Event]
 - Material produced in Generation 2 system passed internal qualification through labs in both Tennessee and through battery testing at BTS and prepared for shipment to customers [Post Quarter Event]
 - Initiated build of first Generation 3 furnace system to be installed in Tennessee before the end of calendar year
 - Continued ordering necessary equipment to meet ongoing production targets
- Facilities and Expansion Plans
 - Signed lease expansion to 120,000 sq ft with possession date of May 1, 2021
 - Significantly progressed site selection process for expansion to 10,000 tpa of total production capacity
 - Continued engineering and planning work for 30,000 tpa expansion plant to support 2025 production targets



Battery Technology Solutions (BTS) Activities

January - March 2021

- Continued strong revenue growth and expansion of hardware sales and R&D service offerings
- Target completion of ~8,800 sq ft building addition to current facility of July 2021.
- Entered into conditional Agreement of Purchase and Sale on new ~35,000 sq ft facility in Halifax area for continued expansion [Post Quarter Activity]
- Cathode Commercialization Activities:
 - Initial Phase 1 pilot line operational since February for material optimization and performance characterization
 - Hiring to expand internal cathode development team
 - Continued process development internally and collaboratively with Dr. Obrovac's group at Dalhousie pursuing new IP
 - Equipment selection and facility planning initiated for 10 tonne per annum capable demonstration line to be installed in new BTS facility in 2022.



Source: Benchmark Mineral Intelligence January 2021 Assessment. (1) Cathode Material based on aggregate of Nickel, Magnesium, and Cobalt (NMC).



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Sources and Uses of Proceeds of \$115M Institutional Placement

Sources & Uses

Sources ⁽¹⁾	\$ million
Institutional Placement	115
Total	115

Uses	\$ million
A. NOVONIX Anode Materials	95
B. Research & Development (including Cathode Commercialization Program)	10
C. International Growth Opportunities & Corporate Costs	10
Total	115

Use of Offer Proceeds

A. NOVONIX Anode Materials

- Capex and working capital to scale production to 10,000tpa
- Includes new site expansion and equipment coming online over the next 24 months, as well as working capital associated with increased production levels
- Increased scale is expected to enhance offering to customers that may have minimum contracting volume requirements.

B. Research & Development

- Two year development program for NOVONIX Cathode Materials, with focus on scaling up process technology; demonstrating commercial performance compared to industry standards through a pilot line with in-house testing capabilities; and continuing to bolster IP portfolio
- Expansion of Professor Obrovac's team at Dalhousie University to focus on other continued technology programs (silicon, lithium-metal / solid state and beyond lithium-ion)
- Expect to leverage Canadian government (state and local) support in these R&D funding initiatives

C. International Growth Opportunities & Corporate Costs

- · Working capital associated with further growth initiatives
- Pursue global growth initiatives including expansion, partnerships and licensing
- · Transaction costs linked to the offer

(1) Excludes funds raised through the non-underwritten SPP and Conditional Placements. Funds raised via the SPP and Conditional Placements will further strengthen R&D investment and the ability to pursue international growth opportunities.



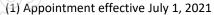
Prof. Jeff Dahn Appointed Chief Scientific Advisor (1)

Professor Jeff Dahn Overview

- Leading researcher in the field of lithium-ion batteries and materials
- Currently holds the title of NSERC/Tesla Canada
 Industrial Research Chair with Dalhousie University
- Long career across both industry and academia, and has spent the last 25 years as a professor at Dalhousie University, with support from 3M Company and most recently, from Tesla
- Co-authored 730 papers and has 73 inventions with patents issued or filed, including some of the early patents related to Li[NiMnCo]O₂ (NMC) cathode material in 2001









NOVONIX Sponsors Mark Obrovac's Battery Research Group at Dalhousie University

Professor Mark Obrovac Overview

- Leading researcher in the field of lithium-ion batteries and materials with strong background in new material synthesis
- Completed PhD under Dr. Jeff Dahn's supervision in 2001
- Career across both industry and academia, 8 years at 3M Company working on silicon anode materials and nickelbased cathode materials
- Professor at Dalhousie University since 2010 beginning partnership with Novonix in 2018 as the NSERC/NOVONIX Industrial Research Chair
- New sponsorship under NSERC Alliance Grant for 5-years
- Co-authored 90 papers and has 27 inventions with patents issued or filed spanning anodes, cathodes, electrolytes and binder materials for lithium-ion batteries



- Mark Obrovac is a multiple winner of The 3M Company's highest award given for technical achievement, the Circle of Technical Excellence
- Research sponsorship program recently extended through 2026
- Team responsible for recent DPMG patent



Awarded US\$5.57M from DOE for New Furnace Technology Development

DOE Project Team and Goals



World Leader in Petroleum Coke
Production

- Houston, TX
- Multiple US and Global Production Sites



World-wide Leader in High Temperature Furnaces

- Buffalo, NY
- Expertise in High Temperature Furnace Technology
- Strategic Alliance Between NOVONIX and Harper



State of the Art Anode Materials Processing

- Chattanooga, TN
- First Qualified US
 Supplier of Synthetic
 Graphite to Tier 1
 Cell Manufacturer

First-in-the-world production scale graphitization furnace technology

- Developing valuable IP
- Highly scalable manufacturing process
- USA-made premium synthetic graphite for lithium-ion batteries

- NOVONIX will contribute US\$5.92M over the project duration
- First "Generation 3" furnace system will be deployed at NOVONIX in 2021



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Cathode Product Development Update

Cathode Opportunity Overview

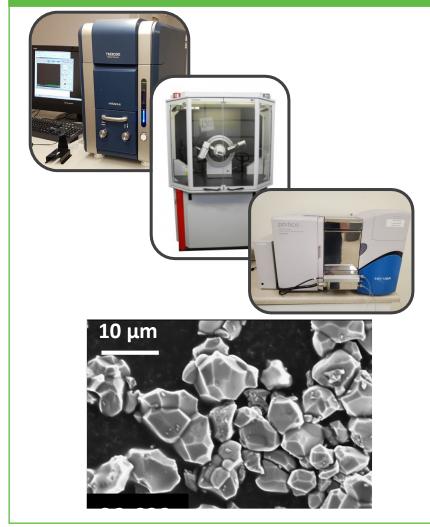


- Cathode materials represent about 30% of the cost of a battery cell
- Current precursor synthesis (CSTR) is complex, wasteful and costly
- Novel "Dry Particle Microgranulation" (DPMG) process performs dry synthesis of high nickel materials with lower cost



- First phase pilot line running in February
- Expanding staff and scope including optimization of different key materials (NMC, NCA, and Cobalt-Free Nickelbased cathodes)
- Beginning expansion plans for next phase of pilot synthesis capability for larger volumes
- Continue electrochemical testing at NOVONIX BTS's battery pilot line and cell testing facility

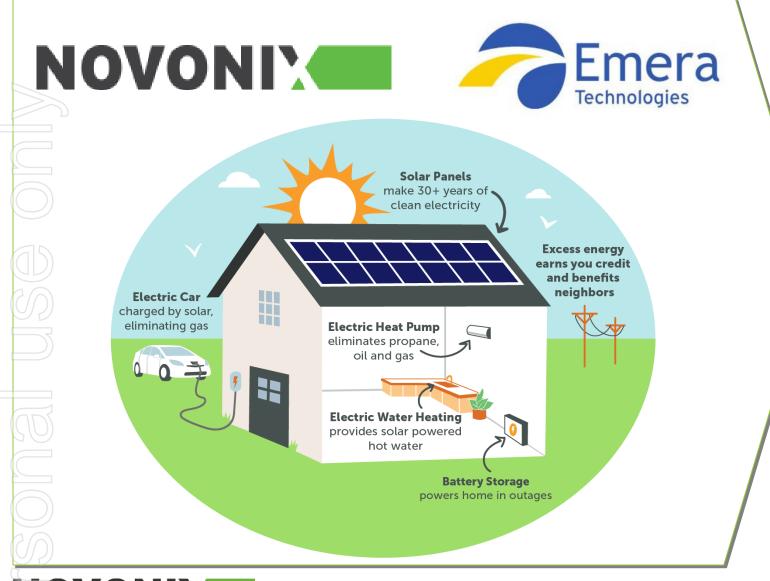
Analytical Equipment and SEM





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NOVONIX partners with Emera Technologies



- Developing state of the art residential energy storage systems for community microgrids to be deployed under the BLOCKENERGY brand
- Focused on deployment in North American residential market for improved grid reliability
- Emera Technologies is a subsidiary of Emera Inc. (TSE: EMA), a multinational energy holding company based in Nova Scotia with more than CA\$32 billion in assets in 2019

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Contact Information

CORPORATE

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This announcement has been authorised for release to the ASX by the Chairman, Tony Bellas.

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