NOVA MINERALS

Nova Minerals Appoints Former JP Morgan Metals & Mining Professional to Board as Company Advances U.S. Critical Metals Strategy

Nova Minerals Corp ("Nova Minerals" or the "Company") (NYSE American: NVA | ASX: NVA) is pleased to announce the appointment of Mr. Joshua Girnun to the Company's Board of Directors, effective July 1, 2026. Mr. Girnun brings institutional finance and risk underwriting experience from his background at JP Morgan Chase & Co., where he co-founded a client-facing risk underwriting team covering the metals and mining, energy, renewables, industrials, oil and gas, and agriculture sectors. He pairs his financial background with strong technical training, holding two master's degrees spanning resource finance and geosciences, in addition to an honours degree and a bachelor's in geology.

The appointment of Mr. Girnun comes as Nova enters into what it believes to be a pivotal period of execution. The Company recently completed its redomiciliation from Australia to the United States, a move designed to align its corporate structure with its predominantly U.S. asset base, deepen access to American government and institutional capital, and position the Company for broader index inclusion. Concurrently, Nova is progressing its Estelle Gold and Critical Minerals Project through feasibility, evaluating new project opportunities, and preparing for near-term production of military-grade antimony trisulfide, supported by a US$43.4 million award from the U.S. Department of War under the Defense Production Act. The Company believes that Mr. Girnun's institutional finance experience and technical resource background will provide meaningful support to the Company as it advances these projects.

At JP Morgan, Mr. Girnun co-founded a subject matter expert team that provided independent, cross-sector assessments and due diligence covering corporate lending, project finance, trade finance and capital markets transactions for large mining and energy clients. He also helped develop the firm's internal risk standard for the natural resources sector. Earlier in his career, he held a range of technical and resource evaluation roles spanning field and desktop geology, project valuation and financial modelling to advance greenfield and brownfield resource projects, including across Sub-Saharan Africa. Mr. Girnun holds a Master of Science in Metals and Energy Finance from Imperial College London, a Master of Science in Geosciences from the Hebrew University of Jerusalem, and a Graduate Honours and Bachelor of Science in Geology from the University of the Witwatersrand. His research has been published in the Journal of Structural Geology.

Nova Minerals CEO Christopher Gerteisen commented:

"We believe that Josh's experience in evaluating resource transactions at the highest level of institutional finance will be helpful as the Company executes on its continuing strategy to develop our properties, and his decision to join our Board reflects a level of conviction in this Company's assets and trajectory. As Nova moves from development into production, the

perspective Josh will bring across technical geology, project economics and institutional finance is exactly what this next phase demands. His insight will be particularly valuable now that we have completed our redomiciliation, as the Board oversees the advancement of Estelle through feasibility and our antimony assets toward production under the Department of War program."

Mr. Girnun commented:

"The Estelle Project is one of the most significant undeveloped gold and critical minerals assets in North America, sitting in a proven belt with a 220 million ounce gold endowment and backed by a US$43.4 million Department of War commitment on the antimony side. With strong U.S. government backing on the antimony side and a substantial gold resource in a proven belt, I believe Nova is well positioned as it advances toward production, and I look forward to helping the Board execute on its vision and strategies."

This announcement has been authorized for release by Board of Directors.

Contacts

Christopher Gerteisen
CEO and Executive Director
E: info@novamineralscorp.com

Paul Ryan
Sodali & Co
Investor Relations & Media
E: paul.ryan@sodali.com
M: +61 409 296 511

Cameron Gilenko
Sodali & Co
Investor Relations & Media
E: cameron.gilenko@sodali.com
M: +61 466 984 953

About Nova Minerals Limited

Nova Minerals Limited is advancing one of the world's largest undeveloped gold deposits into production and securing a U.S. domestic supply of the critical mineral antimony. The Company is focused on the exploration and development of the Estelle Gold and Critical Minerals Project, located in Alaska, a tier-one mining jurisdiction.

Estelle hosts two defined multi-million-ounce gold resources, and more than 20 prospects distributed along a 35-kilometre mineralised trend, in the prolific Tintina Gold Belt, a province which hosts a >220 million ounce (Moz) documented gold endowment and some of the world's largest gold mines and discoveries including, Kinross Gold Corporation's Fort Knox Gold Mine. In parallel, Nova is advancing its critical minerals strategy, fully funded by a US$43.4 million U.S. Department of War award to develop a domestic antimony supply chain, targeted for production in late 2026/2027.

Website: www.novamineralscorp.com

LinkedIn: www.linkedin.com/company/nova-minerals-limited

X: @novaminerals

Cautionary Note Regarding Forward-Looking Statements

This news release contains “forward-looking information” within the meaning of applicable securities laws. Generally, any statements that are not historical facts may contain forward-looking information, and forward looking information can be identified by the use of forward-looking terminology such as “plans”, “expects” or “does not expect”, “is expected”, “budget” “scheduled”, “estimates”, “forecasts”, “intends”, “anticipates” or “does not anticipate”, or “believes”, or variations of such words and phrases or indicates that certain actions, events or results “may”, “could”, “would”, “might” or “will be” taken, “occur” or “be achieved.” Forward-looking information is based on certain factors and assumptions management believes to be reasonable at the time such statements are made, including but not limited to, continued exploration activities, Gold and other metal prices, the estimation of initial and sustaining capital requirements, the estimation of labor costs, the estimation of mineral reserves and resources, assumptions with respect to currency fluctuations, the timing and amount of future exploration and development expenditures, receipt of required regulatory approvals, the availability of necessary financing for the Project, permitting and such other assumptions and factors as set out herein. apparent inconsistencies in the figures shown in the MRE are due to rounding Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of the Company to be materially different from those expressed or implied by such forward-looking information, including but not limited to: risks related to changes in Gold prices; sources and cost of power and water for the Project; the estimation of initial capital requirements; the lack of historical operations; the estimation of labor costs; general global markets and economic conditions; risks associated with exploration of mineral deposits; the estimation of initial targeted mineral resource tonnage and grade for the Project; risks associated with uninsurable risks arising during the course of exploration; risks associated with currency fluctuations; environmental risks; competition faced in securing experienced personnel; access to adequate infrastructure to support exploration activities; risks associated with changes in the mining regulatory regime governing the Company and the Project; completion of the environmental assessment process; risks related to regulatory and permitting delays; risks related to potential conflicts of interest; the reliance on key personnel; financing, capitalization and liquidity risks including the risk that the financing necessary to fund continued exploration and development activities at the Project may not be available on satisfactory terms, or at all; the risk of potential dilution through the issuance of additional common shares of the Company; the risk of litigation.

Although the Company has attempted to identify important factors that cause results not to be as anticipated, estimated or intended, there can be no assurance that such forward-looking information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. Accordingly, readers should not place undue reliance on forward-looking information. Forward looking information is made as of the date of this announcement and the Company does not undertake to update or revise any forward-looking information which is included herein, except in accordance with applicable securities laws. All drilling and exploration activities is subject to no unforeseen circumstances.