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Nova Minerals Achieves Key Milestone on Path to Antimony Production

Nova Minerals Corp (“Nova Minerals” or the “Company”) (NYSE American: NVA | ASX: NVA) is pleased to report that the Company has achieved a significant milestone in its efforts to establish a fully secure, vertically integrated antimony supply chain in Alaska, with the shipment of key processing and refining equipment to its Port MacKenzie plant site.

Highlights

- Over the past six months, a major procurement and logistics operation has been underway to deliver a complete processing and refining plant facility to Alaska.
- Almost 500 tons (454 tonnes) of crushing, ore sorting, milling, flotation, and refining equipment, comprising over 40 shipping containers and multiple oversized loads, is currently en route to Nova Minerals’ antimony processing site at Port MacKenzie, Alaska.
- The barge containing the equipment departed Seattle yesterday and is expected to arrive on site early September, enabling construction of the antimony processing facilities to commence. *To watch a video of the barge leaving Seattle click here.*
- The acquisition of a modern, recently decommissioned plant has delivered a significant cost saving while accelerating the pathway to initial antimony production, with first antimony production targeted for 2027.
- The antimony development is fully funded by Nova's US$43.4 million Defense Production Act Title III award.
- Nova is a first mover in developing a fully integrated antimony mining, processing, and refining operation in Alaska to provide a secure and reliable domestic supply of a critical mineral essential to US national and economic security.

Key Antimony Processing and Refining Equipment En Route to Port MacKenzie, Alaska

Almost 500 tons (454 tonnes) of crushing, ore sorting, milling, flotation, and refining equipment departed Seattle on 26 August 2026, aboard a barge bound for Nova Minerals’ processing site at Port MacKenzie, Alaska.

The shipment, comprising over 40 containers and multiple oversized loads, is expected to arrive by early September, marking the culmination of six months of detailed planning, procurement and logistics coordination.

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The Company acquired a recently decommissioned modern processing facility in North America, and other processing equipment from across North America. Following consolidation in Seattle, the equipment is now being transported by sea to Port MacKenzie.

By acquiring and repurposing the modern processing and milling equipment rather than designing and fabricating a new facility from scratch, Nova will achieve meaningful cost savings and significantly accelerate the pathway to construction and initial antimony production.

The Port MacKenzie plant is designed to process stibnite-bearing material, initially into antimony trisulfide as part of the U.S. Department of War (DoW) project, and is modular and easily scalable for future expansion into additional saleable refined antimony products, including antimony metal and trioxide. Port MacKenzie provides a strategic location with access to deepwater port infrastructure, the proposed West Susitna Access Road, and Port MacKenzie rail spur.

Upon completion of the DoW-funded project, the Nova Minerals Port MacKenzie antimony refinery is expected to serve as a strategic US processing and toll-treatment facility capable of producing refined antimony products for defence, industrial and critical technology supply chains. The development is fully funded by a US$43.4 million U.S. Department of War award supporting the establishment of a domestic antimony supply chain, with production targeted for 2027.

Nova Minerals CEO, Mr Christopher Gerteisen, commented:

"The shipment of this equipment marks an important milestone as Nova advances from exploration and development towards antimony production at Estelle.

"A key part of our strategy has been to acquire existing, modern processing equipment and mobilise it to Alaska, rather than build new equipment from scratch. That decision allowed us to move faster and more cost-effectively as we construct our processing plant at Port MacKenzie and work toward first antimony production in 2027.

"Antimony is a critical mineral essential to our national and economic security, with applications in defence, energy storage, and electronics. We are proud to be advancing a domestic supply chain that will help strengthen US critical minerals security."

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Figure 1. *Barge with over 40 containers and numerous other oversized loads being loaded in Seattle*

Figure 2. *Tug pushing barge to open water*

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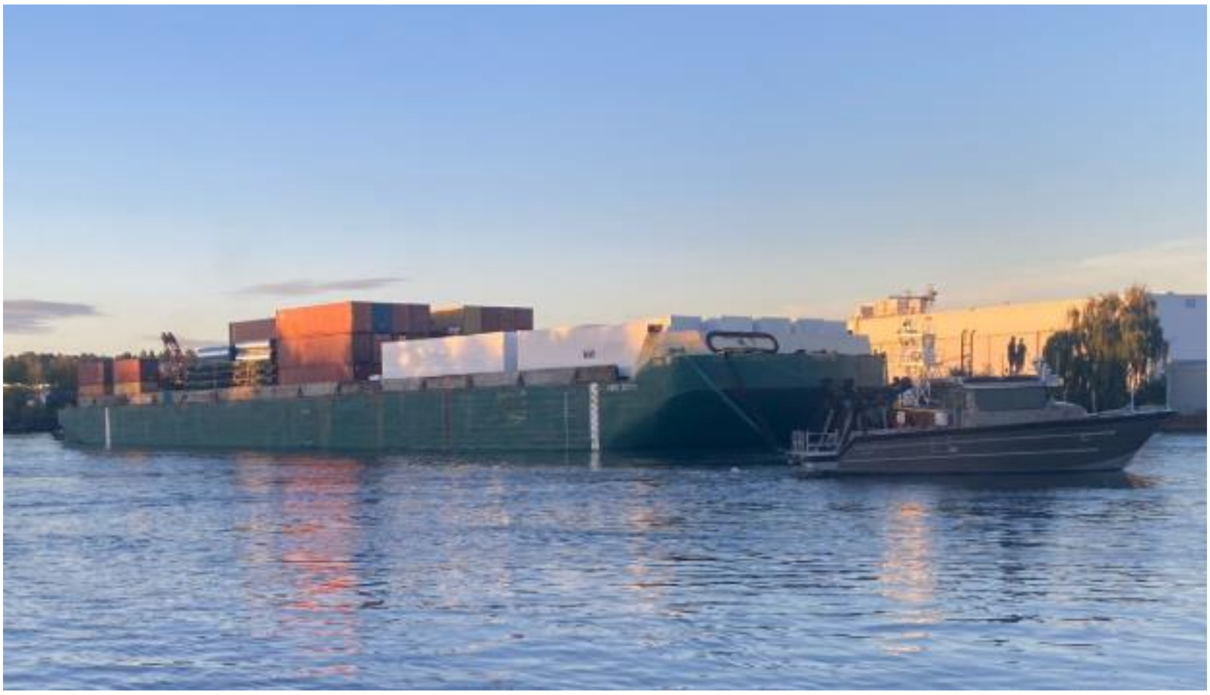

Figure 3. *Barge in open water setting sail for Port MacKenzie, Alaska*

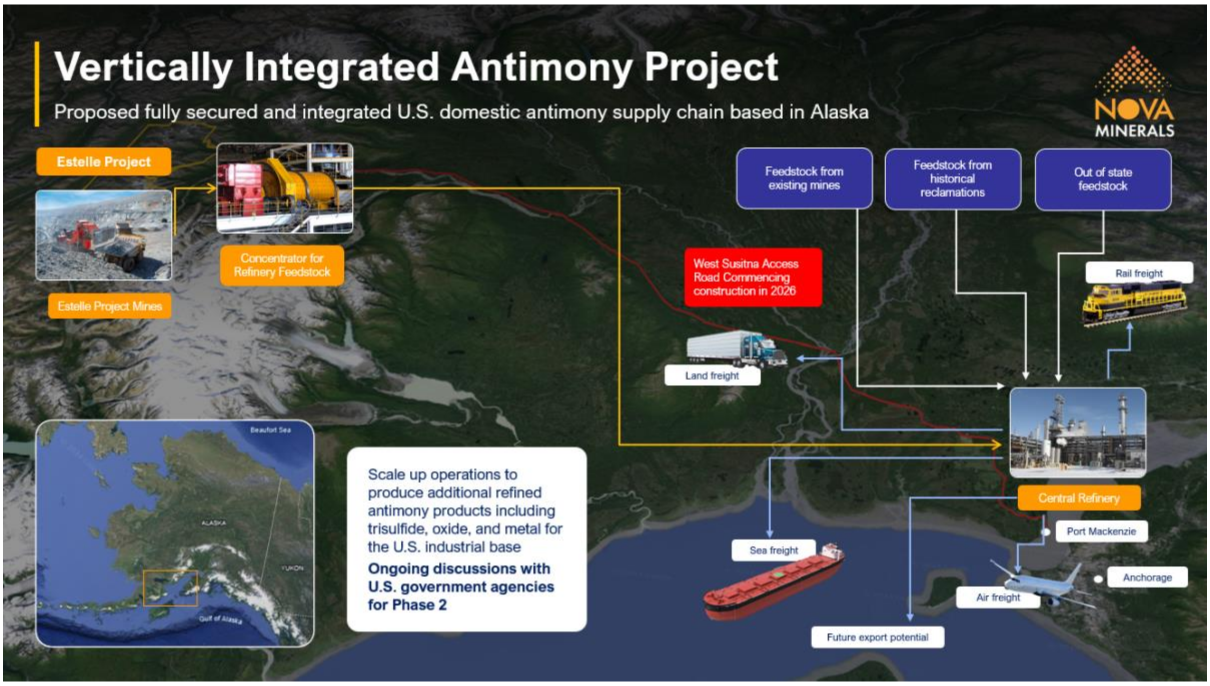

Figure 4. *Nova's planned vertically integrated antimony project in Alaska*

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Estelle Gold and Critical Minerals Project Discussion and Analysis

Further discussion and analysis of the Estelle Gold and Critical Minerals Project is available through the interactive Vrify 3D animations, presentations and videos, all available on the Company's website. www.novamineralscorp.com

This announcement has been authorised for release by the Executive Directors.

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About Nova Minerals Corp

Nova Minerals Corp 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.

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Competent Person Statements

The information contained in this announcement, relating to metallurgical results, is based on, and fairly and accurately represent the information and supporting documentation prepared by Mr Damian Connelly. Mr Connelly is a full-time employee of METS Engineering who are a contractor to Nova Minerals, and a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Connelly has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration, and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Exploration Targets, Mineral Resources and Ore Reserves. Mr Connelly consents to the inclusion in this announcement of the matters based on the results in the form and context in which they appear.

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-

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looking information which is included herein, except in accordance with applicable securities laws. All drilling and exploration activities is subject to no unforeseen circumstances.

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