ASX Announcement

14 July 2026

Antimony Pilot Plant Engineering and Design Completed

Nova Minerals Corp ("Nova Minerals" or the "Company") (NYSE American: NVA | ASX: NVA) is pleased to announce the completion of the engineering and design for its Estelle antimony pilot processing plant in Alaska.

Highlights

- **Fully Funded Pilot Plant:** Engineering and design covers the Whiskey Bravo front-end processing site, Port MacKenzie beneficiation plant, Port MacKenzie refinery (Figure 1) and supporting infrastructure.
- **Antimony Trisulfide Production:** Engineered to meet U.S. Department of War military-grade quality specifications using a proprietary cleaner hydrometallurgical processing method.
- **Building a Secure American Fully Integrated Antimony Supply Chain:** The pilot plant is a critical first step in fast-tracking domestic antimony production in Alaska. With a modular design that enables future expansion through the addition of refining circuits, including antimony trioxide and antimony metal production, the facility will serve as a scalable processing hub for feedstock from Estelle, as well as regional and global projects.
- **Construction Expected to Commence this Quarter:** Process plant equipment procurement underway with key components now delivered or in transit to the project site to support construction in the coming months (Figures 3 to 6).

Click here to view a 3D rendering video of the proposed Port MacKenzie pilot plant

Figure 1. *3D rendering of the proposed Port Mackenzie antimony pilot plant*

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Nova Minerals CEO, Mr. Christopher Gerteisen, commented:

"We continue to make rapid progress on the antimony project and remain ahead of schedule, with another major milestone now completed.

The engineering and design plan has been developed based on extensive metallurgical test work and process flowsheet development. With this work complete, and procurement of key equipment now finalized, the project has entered the execution phase.

Ore extraction and construction of the process plant are next steps as we continue progressing toward near-term antimony production."

Integrated Pilot Plant Flowsheet

The Estelle antimony processing pilot plant has been designed to treat stibnite-bearing material and produce an antimony trisulfide product suitable for sale or further downstream use. The project is structured around two principal locations:

- **Whiskey Bravo Site** – front-end processing, including crushing, screening, ore sorting, concentrate storage and load-out.
- **Port MacKenzie Processing Facility** – crushing, screening, ore sorting, beneficiation, refining, product recovery, utilities, reagent systems, infrastructure and logistics (Figure 1).

After collecting bulk sample material from two locations (Stibium and Styx) within the Estelle Project claims, the material will be transported to Whiskey Bravo for crushing and initial sorting. Select sample material will then be transported via air or snow road to Port MacKenzie for further processing.

Processing at Port MacKenzie will include concentration and refining of the antimony ore using a proprietary cleaner hydrometallurgical processing method to make the final antimony trisulfide product.

The refined antimony product will then be filtered, dried, and bagged for shipment.

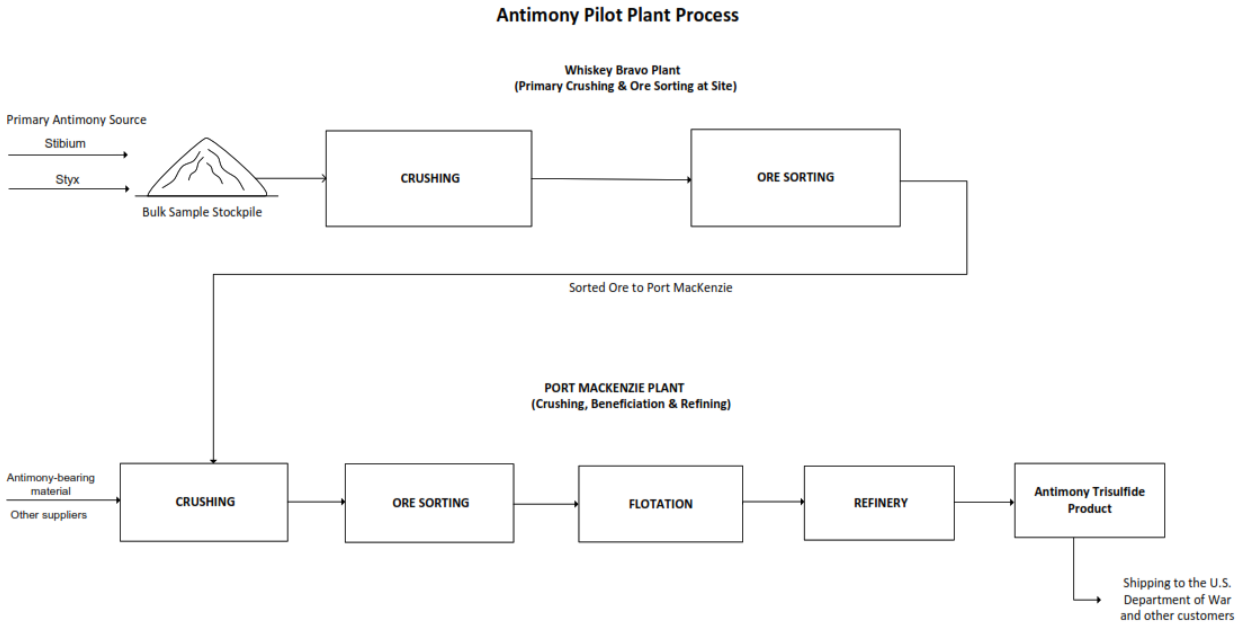

Figure 2. *Estelle antimony pilot plant process block flow diagram*

Work Underway

With engineering and design complete, Nova has advanced to procurement and construction readiness, with major equipment packages progressing and over 40 containers currently on route to Port Mackenzie for delivery in the coming weeks.

The project has capitalized on a unique opportunity to acquire key equipment from a recently decommissioned, modern beneficiation circuit with a limited operating history from a North American processing facility. The equipment is well suited to the proposed antimony pilot plant flowsheet and is expected to reduce procurement lead times, improve capital efficiency, and accelerate the transition from engineering to construction and operational readiness.

Major equipment items procured include:

- Crushers
- Ball mill (Figure 3)
- Ore sorters (Figure 2)
- Screens (Figure 6)
- Flotation cells (Figure 5)
- Conveyors

Figure 1. *Port MacKenzie ball mill*

Figure 2. *Whiskey Bravo and Port MacKenzie Steinert ore sorter*

Figure 5. *Port MacKenzie flotation cells*

Figure 6. *Whiskey Bravo Sandvik QA440 double screen*

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 authorized 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-

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