FORM 51-102F3
Material Change Report

Item 1 **Name and Address of Company**

Nano One Materials Corp. (the "**Company**")
Unit 101B – 8575 Government St
Burnaby, BC, Canada, V3N 4V1
Main **604-420-2041**
Office **604-669-2701**

Item 2 **Date of Material Change**

September 7, 2021

Item 3 **News Release**

News release dated September 7, 2021disseminated via Newsfile Corp.

A copy of the Press Release is attached as Schedule "A".

Item 4 **Summary of Material Change) Nano One a clean technology company with patented processes for the low-cost, low-environmental footprint production of high-performance cathode materials used in lithium-ion batteries, is pleased to announce the appointment of Mr. Gordon Kukec as an independent Director to the Board effective immediately.**

Item 5 **5.1 Full Description of Material Change**

For a full description of the material change, see Schedule "A".

5.2 Disclosure for Restructuring Transactions

Not Applicable.

Item 6 **Reliance on subsection 7.1(2) or (3) of National Instrument 51 102**

Not Applicable.

Item 7 **Omitted Information**

Not Applicable

Item 8 **Executive Officer**

Dan Blondal, CEO
Telephone: 604.669.2701

Item 9 **Date of Report**

DATED at Vancouver, BC, this 7th day of September, 2021.

SCHEDULE "A"

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NEWS RELEASE

Nano One Appoints Gordon Kukec Independent Director

September 7, 2021

Vancouver, Canada. Nano One® Materials Corp. (TSX: NANO) (OTC-Nasdaq Intl Designation: NNOMF) (Frankfurt: LBMB) ("Nano One" or the "Company"), a clean technology company with patented processes for the low-cost, low-environmental footprint production of high-performance cathode materials used in lithium-ion batteries, is pleased to announce the appointment of Mr. Gordon Kukec as an independent Director to the Board effective immediately.

Mr. Kukec has 30 years experience spanning a range of senior executive leadership roles responsible for innovating and adapting corporate, commercial and IT strategy at various international Canadian corporations. Focused on how emerging environmental and information technology developments, such as climate change and cybersecurity, impact business transformation, corporate strategy and board governance, Mr. Kukec brings a distinct and valuable skillset to the companies he works with.

Gord Kukec, noted *"I am excited to be joining the Nano One Board at such a significant stage in the development of the Company. The rapid electrification of transportation and other sectors is critical to mitigating climate change. Nano One is a key player in accelerating battery technology adoption. I look forward to supporting the Company's ambitious development and operational plans to drive long-term meaningful stakeholder value."*

Paul Matysek, Executive Chair, commented*, "We are pleased to have Gord joining us on the Board where his insights and experience will support continued advancement of Nano One's development strategy. He will add numerous and significant strengths to Nano One's team and the addition of Mr. Kukec's sustainability, governance and cybersecurity expertise is an asset that will continue to advance Nano One's operating objectives and goals."*

Mr. Kukec holds a BA, Economics from University of Calgary, an MBA from Queen's University, the Institute of Corporate Directors Director designation (ICD.D), the Sustainable Energy Management (SEMAC) designation from BCIT and certifications in Cybersecurity and Governance of Enterprise Information Technology (CGEIT) from ISACA, and currently sits on the boards of Intelligent City, BC Ferry Services Inc. and Solshare Energy Corp.

The appointment of Mr. Kukec to the Nano One Board is part of a staged effort to expand the skillset, expertise and independence of the Board which will provide long-term benefits to the Company and Nano One stakeholders as we consider future development and growth.

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About Nano One

Nano One Materials Corp (Nano One) is a clean technology company with a patented, scalable and low carbon intensity industrial process for the low-cost production of high-performance lithium-ion battery cathode materials. The technology is applicable to electric vehicle, energy storage, consumer electronic and next generation batteries in the global push for a zero-emission future. Nano One's One-Pot process, its coated nanocrystal materials and its Metal to Cathode Active Material (M2CAM) technologies address fundamental performance needs and supply chain constraints while reducing costs and carbon footprint. Nano One has received funding from various government programs and the current "Scaling of Advanced Battery Materials Project" is supported by Sustainable Development Technology Canada (SDTC) and the Innovative Clean Energy (ICE) Fund of the Province of British Columbia. For more information, please visit www.nanoone.ca

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Certain information contained herein may constitute "forward-looking information" and "forward-looking statements" within the meaning of applicable securities legislation. All statements, other than statements of historical fact, are forward-looking statements. Forward-looking information in this news release includes, but is not limited to, statements with respect to: execution of Nano One's plans, development and growth. Generally, forward-looking information can be identified by the use of terminology such as 'believe', 'expect', 'anticipate', 'plan', 'intend', 'continue', 'estimate', 'may', 'will', 'should', 'ongoing', 'enable', 'target', 'goal', 'potential' or variations of such words and phrases or statements that certain actions, events or results "will" occur. Forward-looking statements based on the current opinions and estimates of management as of the date such statements are made are not, and cannot be, a guarantee of future results or events. Forward-looking statements are subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of Nano One to be materially different from those expressed or implied by such forward-looking statements or forward-looking information, including but not limited to: the commercialization of Nano One's technology and patents and other risk factors as identified in Nano One's MD&A and its Annual Information Form dated March 15, 2021, both for the year

ended December 31, 2020, and in recent securities filings for Nano One which is available at www.sedar.com. Although management of Nano One has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking statements or forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking statements and forward-looking information. Nano One does not undertake any obligation to update any forward-looking statements or forward-looking information that is incorporated by reference herein, except as required by applicable securities laws. Investors should not place undue reliance on forward-looking statements.