Critical One Energy Appoints Chief Geological Officer to Advance Flagship Antimony-Gold Project

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TORONTO, Nov. 13, 2025 - Critical One Energy Inc. ("Critical One" or the "Company") (CSE: CRTL) (OTCQB: MMTLF) (FSE: 4EF0) is pleased to announce the appointment of Matthew Trenkler, PhD, P.Geo, as its Chief Geological Officer, effective immediately.

In this role, Trenkler will lead the Company's technical strategy, with a focus on advancing exploration at the Howells Lake Antimony-Gold Project ("Howells Lake Project"), Canada's largest known undeveloped antimony deposit. He brings deep expertise in geological modeling, data interpretation, and integrated exploration workflows. The Howells Lake Project is located approximately 200 kilometres (km) from the Ring of Fire corridor in the Thunder Bay Mining Division of Ontario, Canada.

"Matt brings the right combination of field experience, geological insight, and leadership to drive our exploration strategy forward. His appointment strengthens our ability to advance Howells Lake as a cornerstone project in North America's critical minerals landscape," said Duane Parnham, Founder, Executive Chairman, and Chief Executive Officer of Critical One: "He complements the deep project knowledge of independent director Chet Idziszek, and the discovery experience of Bruce Durham, our Qualified Person ("QP"), adding even stronger execution to our proven technical team."

Trenkler is an exploration geologist with over 15 years of experience across greenfield and brownfield projects in Canada and West Africa. He most recently led exploration activities at Wesdome's Eagle River Mine (Wawa, Ontario), where he developed and implemented systematic drill targeting programs. His earlier roles include regional project leadership with IAMGOLD around the Côté Gold Project (Côte Gold District, northeastern Ontario). Trenkler holds a PhD. in Earth Science from Carleton University and is a registered Professional Geoscientist with the Professional Geoscientists Ontario (PGO).

About Critical One Energy Inc.

Critical One Energy Inc. is a forward-focused critical minerals and upstream energy company, powering the future of clean energy and advanced technologies. The Howells Lake Antimony-Gold Project focuses the Company's exposure on antimony, one of the most in-demand critical minerals, as well as gold, which is known to occur at numerous locations on the Howells Lake Project. Backed by seasoned management expertise and prime resource assets, Critical One is strategically positioned to meet the rising global demand for critical minerals and metals. Its mine exploration portfolio is led by antimony-gold exploration potential in Canada and uranium investment interests in Namibia, Africa. By leveraging its technical, managerial, and financial expertise, the Company upgrades and creates high-value projects, thereby driving growth and delivering value to its shareholders.

Additional information about Critical One Energy Inc. can be found at criticaloneenergy.com and on the Company's SEDAR+ profile at www.sedarplus.ca.

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Forward-looking Statements

This news release contains "forward-looking information" within the meaning of applicable securities laws. All statements contained herein that are not clearly historical in nature may constitute forward-looking information. In some cases, forward-looking information can be identified by words or phrases such as "may", "will", "expect", "likely", "should", "would", "plan", "anticipate", "intend", "potential", "proposed", "estimate", "believe" or the negative of these terms, or other similar words, expressions, and grammatical variations thereof, or statements that certain events or conditions "may" or "will" happen, or by discussions of strategy. Forward-looking information contained in this press release includes, but is not limited to, statements relating to the anticipated uses of the proceeds raised from the private placement described in this press release.

Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is based on assumptions made in good faith and believed to have a reasonable basis. Such assumptions include, without limitation, that: the Company will have the necessary resources required in order to pursue exploration activities on its mineral properties as currently expected, or at all.

However, forward-looking statements are subject to risks, uncertainties, and other factors, which could cause actual results to differ materially from future results expressed, projected, or implied by such forward-looking statements. Such risks include, but are not limited to, the risk that the Company will not be able to proceed with currently anticipated exploration activities, and other risks described in the Company's continuous disclosure documents available on SEDAR+.

Accordingly, undue reliance should not be placed on forward-looking statements and the forward-looking statements contained in this press release are expressly qualified in their entirety by this cautionary statement. The forward-looking statements contained herein are made as at the date hereof and are based on the beliefs, estimates, expectations, and opinions of management on such date. The Company does not undertake any obligation to update publicly or revise any such forward-looking statements or any forward-looking statements contained in any other documents whether as a result of new information, future events or otherwise or to explain any material difference between subsequent actual events and such forward-looking information, except as required under applicable securities law. Readers are cautioned to consider these and other factors, uncertainties, and potential events carefully and not to put undue reliance on forward-looking information.