

Protium Clean Energy Corp. Announces Results of Satellite Gas Surveys in British Columbia

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[Protium Clean Energy Corp.](#) (CSE: GRUV) (FSE: G071) ("Protium" or the "Company") is pleased to announce the results from its regional satellite gas survey covering approximately 22,000 square kilometres in Central British Columbia, including four mineral tenures covering approximately 569.56 hectares that the Company has a right of first refusal over (the "ROFR Claims") (see press release dated November 26, 2024).

The survey, conducted during the ice breakup period in late April 2025, was designed to map the abundances of five key gases: hydrogen, helium, radon, methane, carbon dioxide, and deep hydrogen. This period was selected because geological gas release was expected to peak.

The primary objectives of the satellite survey were to:

- Improve understanding of the region's potential for hydrogen and other gases;
- Identify the presence and distribution of hydrogen and other gases on the Company's ROFR Claims; and
- Pinpoint prospective areas within the survey region for future staking.

Central British Columbia is recognized for its strong geological potential for natural hydrogen (white hydrogen) due to extensive mafic and ultramafic rock formations rich in iron and magnesium. The interaction of these rocks with water through serpentinization, a well-known natural process that generates hydrogen gas. Additionally, deep fault systems in the region provide pathways for hydrogen migration and accumulation, increasing the potential for commercially viable hydrogen reservoirs. Previous exploration drilling has identified geological features, further supporting the region's prospectivity for hydrogen accumulation.

Key Results: Gas Abundance Mapping

The satellite gas mapping confirmed the presence of hydrogen, likely geological in origin, across the 22,000 sq. km survey area, including five high-abundance zones on the Company's ROFR Claims. Notably, these hydrogen-rich areas showed a general absence of helium, methane, and carbon dioxide, with only minor radon detected.

"These results align with our strategy to use satellite surveys to identify gas anomalies on our claims and prospective lands for staking. We will leverage this information to prioritize targets for our upcoming summer exploration program," said Marc Branson, CEO of the Company.

Nine high-abundance hydrogen zones were identified regionally: three associated with high helium, three with methane, and three as hydrogen-only anomalies. The Duplex Wave Migration (DWM) seismic imaging technique was adapted to produce a deep hydrogen anomaly map at 50m resolution to distinguish between shallow and deep hydrogen sources. Deep hydrogen was confirmed in four of the five high-abundance anomalies on the Company's ROFR Claims, with all nine regional high-abundance hydrogen areas coinciding with deep hydrogen anomalies.

Furthermore, as identified in Bouguer gravity data, three regional deep hydrogen anomalies are spatially associated with a 75-kilometre-long NW-SE trending deep gravity worm. These features delineate significant subsurface density contrasts, often marking faults or contacts between different rock types, and are important for the migration and accumulation of gases and mineral fluids in the area.

The combination of favourable rock types, structural geology, and satellite identification of deep hydrogen and other gases positions central British Columbia as a promising natural hydrogen discovery and development region.

About Protium Clean Energy Corp.

Protium Clean Energy Corp. is a junior exploration and development company focused on identifying, acquiring, and exploring prospective minerals and natural gas resources in Canada. The Company's primary assets include its 100%-owned Nakina Lithium and Firstbrook Hydrogen properties in Ontario. Protium leverages advanced satellite survey technologies to efficiently evaluate large tracts of land and delineate high-priority targets for natural gas and critical mineral exploration required for the modern world.

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Forward-Looking Information Cautionary Statement

This news release contains certain "forward-looking information" and "forward-looking statements" within the meaning of applicable Canadian securities legislation (collectively, "forward-looking statements"). These statements relate to future events or the future activities or performance of Protium Clean Energy Corp. (the "Company") and reflect management's current expectations and assumptions regarding, among other things: the accuracy and reliability of satellite survey data; the geological potential of Central British Columbia for hosting economically viable hydrogen deposits; the presence and migratory behavior of deep and shallow hydrogen in identified zones; and the Company's ability to secure exploration rights, conduct effective follow-up fieldwork, and prioritize prospective zones for staking and development. Forward-looking statements are inherently subject to known and unknown risks, uncertainties, and other factors that may cause actual results, performance, or achievements to differ materially from those expressed or implied by such statements. These risks include, but are not limited to: the possibility that satellite-detected hydrogen anomalies may not correspond to subsurface accumulations or may prove to be uneconomic upon further investigation; limitations in the resolution or interpretation of remote sensing and seismic imaging data; operational risks and delays in conducting ground-based exploration programs; challenges in obtaining permits or surface access agreements; changes in geological models as new data becomes available; competition for high-potential mineral tenure; general exploration risks and financing constraints; and broader factors such as fluctuations in commodity prices, evolving regulatory frameworks for natural hydrogen, and shifts in public or governmental support for clean energy projects. Although the Company believes that the assumptions underlying the forward-looking statements are reasonable, there can be no assurance that they will prove to be accurate. Readers are cautioned not to place undue reliance on these forward-looking statements, which are made as of the date hereof. The Company undertakes no obligation to update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise, except as required by law. Additional information about material risks and assumptions applicable to the Company is available in its continuous disclosure filings on SEDAR+ at www.sedarplus.ca.

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