

# Rain City Resources Inc. Update on Pilot Plant Commencement

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[Rain City Resources Inc.](#) (CSE: RAIN) (the "Company" or "Rain") announces that the ACCELi mineral extraction pilot plant (the "ACCELi Plant") has arrived at site and we anticipate starting operations this week. The ACCELi Plant will extract lithium, along with other critical minerals, from waste-water brine associated with natural gas production within the Marcellus Shale Formation.

The ACCELi Plant is located at an industrial water transfer site in Springfield Pennsylvania and represents a pre-commercial trial of the ACCELi technology with a focus on extracting lithium along with other critical minerals. The ACCELi Plant will be operated by Avonlea [Lithium Corp.](#) ("ALC") in which Rain has the option to earn a 100% interest.

It is envisaged that ALC will operate the pilot test for 21 days running approximately 20,000 litres of brine per day based on a 12-hour day and will provide Rain and ALC the opportunity to demonstrate its proprietary extraction technology targeting lithium and other critical and strategic minerals. Data will be collected and independently tested and verified throughout the course of the trial.

The length of the pilot test may be extended depending on results, volumes, the critical minerals successfully extracted and the usual consents. Rain is conscious of the US Department of Energy's Critical Materials List which includes lithium, barite and magnesium and notes the increasing importance over the short and medium term (2020-2035) of lithium and magnesium, which the ACCELi Plant will produce as part of our proprietary process.

(source: US Department of Energy, Critical Minerals & Materials Program, Medium-Term (2025-2035 Criticality Matrix)

To view an enhanced version of this graphic, please visit:

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Benjamin Hill, CEO commented, "A recent article in The New York Times written by Brad Plumer highlighted the ever-increasing growth of, and reliance on, the battery storage industry in the US. It is apparent that a US supply of lithium will become increasingly important as President Trump's tariffs become a new reality. Sixty-nine percent of America's lithium-ion batteries were imported from China in 2024. These grid batteries will now be subject to a 64.5% tax, rising to 82% in 2026. We hope to position ourselves at the forefront of domestic lithium extraction and processing using our proprietary ACCELi direct lithium extraction technology.

Our ACCELi Plant pilot test aligns perfectly with our intention to begin commercial production of lithium in North America by 2027 and we look forward to establishing ACCELi as the default brine-hosted mineral extraction technology in commercial operation."

## About the Marcellus Shale Formation

Pennsylvania's Marcellus Shale is attracting global attention due to the presence of high concentrations of lithium and other strategic and critical minerals in wastewater from natural gas production. This geological formation is composed of sedimentary rock found in the Appalachian Basin of eastern North America at a depth ranging from about 1,000 feet to 8,000 feet. According to a study from the Department of Energy's National Energy Technology Laboratory, this formation could represent enough lithium-rich wastewater to meet up to 40-percent of the nation's current domestic lithium consumption.

## About Us

Rain is an integrated critical mineral technology and project development company committed to solving the environmental, social, and economic issues associated with extracting lithium and other critical minerals from brine.

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