
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

FORM 6-K

**REPORT OF FOREIGN PRIVATE ISSUER
PURSUANT TO RULE 13a-16 OR 15d-16
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

For the month of July 2023

Commission File Number: 001-40370

BITFARMS LTD.

(Exact Name of Registrant as Specified in Its Charter)

18 King Street East, Suite 902, Toronto, Ontario, Canada M5C 1C4
(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F Form 40-F

DOCUMENTS INCLUDED AS PART OF THIS FORM 6-K

On July 19, 2023, the Registrant filed with the Canadian Securities Regulatory Authorities on the System for Electronic Data Analysis and Retrieval (SEDAR) a material change report that includes a copy of a press release, a copy of which is attached hereto as Exhibit 99.1, and which is incorporated by reference to the Company's Registration Statement on [Form F-10](#) (File No. 333-258788).

See the Exhibits listed below.

Exhibits

Exhibit No.	Description
99.1	Material Change Report dated July 19, 2023

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

BITFARMS LTD.

By: /s/ L. Geoffrey Morphy

Name: L. Geoffrey Morphy

Title: President and Chief Executive Officer

Date: July 19, 2023

**FORM 51-102F3
MATERIAL CHANGE REPORT**

Item 1 Name and Address of Company

Bitfarms Ltd. (“Bitfarms” or the “Company”)
18 King Street East, Suite 902
Toronto, Ontario M5C 1C4

Item 2 Date of Material Change

July 19, 2023.

Item 3 News Release

The press release attached as Schedule “A” was released on July 19, 2023 by a newswire company in Canada.

Item 4 Summary of Material Change

The material change is described in the press release attached as Schedule “A”.

Item 5 Full Description of Material Change

The material change is described in the press release attached as Schedule “A”.

Item 6 Reliance of subsection 7.1(2) of National Instrument 51-102

Not applicable.

Item 7 Omitted Information

Not applicable.

Item 8 Executive Officer

Geoffrey Morphy
President & Chief Executive Officer
Bitfarms Ltd.
gmorphy@bitfarms.com

Item 9 Date of Report

July 19, 2023.



Bitfarms Secures Contracts in Paraguay for Up to 150 MW of Hydropower

- Long-term, low-cost, power contracts at a competitive rate expected to provide significant path for growth –

This news release constitutes a "designated news release" for purposes of the Company's prospectus supplement dated August 16, 2021 to its short form base shelf prospectus dated August 12, 2021.

Toronto, Ontario and Brossard, Québec (July 19, 2023) – Bitfarms Ltd. (NASDAQ: BITF/TSX: BITE), a global vertically integrated Bitcoin mining company, acquired two Power Purchase Agreements (PPAs) in Paraguay for up to 150 MW of eco-friendly hydropower: up to 50 MW in Villarrica, in close proximity to the Company's existing operations in Paraguay, and up to 100 MW in Yguazu, a new location close to the Itaipu dam, the third largest hydroelectric dam in the world.

"As we approach the next Bitcoin halving, we are seeking to drive growth by leveraging our farm design expertise and drawing upon our operational experience to broaden our geographical presence and optimize global, underutilized power resources," said Geoff Morphy, CEO of Bitfarms. "Paraguay has access to an abundance of surplus renewable power, and these acquisitions secure valuable, yet limited, sustainable energy contracts while broadening our foothold in a resource-rich country."

At Villarrica, construction is scheduled to commence in Q3 2023 beginning with a sub-station followed by building out a second mining facility. At Yguazu, Bitfarms has the opportunity to develop a new farm with up to 100 MW of mining capacity, the timeline for which is being determined. Hydropower at both locations will be provided at a contracted cost of approximately 3.9 cents per kWh, before VAT, and is not subject to annual inflationary adjustments.

About Bitfarms Ltd.

Founded in 2017, Bitfarms is a global, publicly traded (NASDAQ/TSX: BITF) Bitcoin mining company. Bitfarms develops, owns, and operates vertically integrated mining farms with in-house management and company-owned electrical engineering, installation service, and multiple onsite technical repair centers. The Company's proprietary data analytics system delivers best-in-class operational performance and uptime.

Bitfarms currently has 11 farms, which are located in four countries: Canada, the United States, Paraguay, and Argentina. Powered by predominantly environmentally friendly hydro-electric and long-term power contracts, Bitfarms is committed to using sustainable, locally based, and often underutilized energy infrastructure.

To learn more about Bitfarms' events, developments, and online communities:

Website: www.bitfarms.com

<https://www.facebook.com/bitfarms/>

https://twitter.com/Bitfarms_io

<https://www.instagram.com/bitfarms/>

<https://www.linkedin.com/company/bitfarms/>

Glossary of Terms

- *BTC* *BTC/day* = Bitcoin or Bitcoin per day
- *EH* or *EH/s* = Exahash or exahash per second
- *MW* or *MWh* = Megawatts or megawatt hour
- *PH* or *PH/s* = Petahash or petahash per second
- *TH* or *TH/s* = Terahash or terahash per second
- *W/TH* = Watts per Terahash

Cautionary Statement

Trading in the securities of the Company should be considered highly speculative. No stock exchange, securities commission or other regulatory authority has approved or disapproved the information contained herein. Neither the Toronto Stock Exchange, Nasdaq, or any other securities exchange or regulatory authority accepts responsibility for the adequacy or accuracy of this release.

Forward-Looking Statements

This news release contains certain “forward-looking information” and “forward-looking statements” (collectively, “forward-looking information”) that are based on expectations, estimates and projections as at the date of this news release and are covered by safe harbors under Canadian and United States securities laws. The statements and information in this release regarding expectations for the expansion opportunities in Paraguay, including under the PPAs, and other statements regarding growth opportunities and prospects, and other statements regarding future plans and objectives of the Company, miner expansion, hashrate and energy costs are forward-looking information. Other forward-looking information includes, but is not limited to, information concerning: the availability of electric power in Paraguay on an ongoing and economic basis or at all, the offering of electrical power at contracted rates and the ability to utilize such power, and otherwise expand operations and operate on an economic basis or at all in Paraguay, the intentions, plans and future actions of the Company in general, as well as Bitfarms’ ability to successfully mine digital currency, revenue increasing as currently anticipated, the ability to profitably liquidate current and future digital currency inventory, volatility of network difficulty and digital currency prices and the potential resulting significant negative impact on the Company’s operations, the construction and operation of expanded blockchain infrastructure as currently planned, and the regulatory environment for cryptocurrency in the applicable jurisdictions.

Any statements that involve discussions with respect to predictions, expectations, beliefs, plans, projections, objectives, assumptions, future events or performance (often but not always using phrases such as “expects”, or “does not expect”, “is expected”, “anticipates” or “does not anticipate”, “plans”, “budget”, “scheduled”, “forecasts”, “estimates”, “prospects”, “believes” or “intends” or variations of such words and phrases or stating that certain actions, events or results “may” or “could”, “would”, “might” or “will” be taken to occur or be achieved) are not statements of historical fact and may be forward-looking information and are intended to identify forward-looking information.

This forward-looking information is based on assumptions and estimates of management of the Company at the time they were made, and involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance, or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by such forward-looking information. Such factors include, among others, risks relating to: the availability of financing opportunities, risks associated with economic conditions, dependence on management and conflicts of interest, the ability to service debt obligations and maintain flexibility in respect of debt covenants; economic dependence on regulated terms of service and electricity rates; the speculative and competitive nature of the technology sector; dependency on continued growth in blockchain and cryptocurrency usage; lawsuits and other legal proceedings and challenges; conflict of interests with directors and management; government regulations; the global economic climate; dilution; the Company's limited operating history; future capital needs and uncertainty of additional financing, including the Company's ability to utilize the Company's at-the-market equity offering program (the "ATM Program") and the prices at which the Company may sell Common Shares in the ATM Program, as well as capital market conditions in general; risks relating to the strategy of maintaining and increasing Bitcoin holdings and the impact of depreciating Bitcoin prices on working capital; the competitive nature of the industry; currency exchange risks; the need for the Company to manage its planned growth and expansion; the effects of product development and need for continued technology change; the ability to maintain reliable and economical sources of power to run its cryptocurrency mining assets; the impact of energy curtailment or regulatory changes in the energy regimes in the jurisdictions in which the Company operates; protection of proprietary rights; the effect of government regulation and compliance on the Company and the industry; network security risks; the ability of the Company to maintain properly working systems; reliance on key personnel; global economic and financial market deterioration impeding access to capital or increasing the cost of capital; share dilution resulting from the ATM Program and from other equity issuances; and volatile securities markets impacting security pricing unrelated to operating performance. In addition, particular factors that could impact future results of the business of Bitfarms include, but are not limited to: the construction and operation of facilities may not occur as currently planned, or at all; expansion may not materialize as currently anticipated, or at all; the digital currency market; the ability to successfully mine digital currency; revenue may not increase as currently anticipated, or at all; it may not be possible to profitably liquidate the current digital currency inventory, or at all; a decline in digital currency prices may have a significant negative impact on operations; an increase in network difficulty may have a significant negative impact on operations; the volatility of digital currency prices; the anticipated growth and sustainability of hydroelectricity for the purposes of cryptocurrency mining in the applicable jurisdictions; the inability to maintain reliable and economical sources of power for the Company to operate cryptocurrency mining assets; the risks of an increase in the Company's electricity costs, cost of natural gas, changes in currency exchange rates, energy curtailment or regulatory changes in the energy regimes in the jurisdictions in which the Company operates and the adverse impact on the Company's profitability; the ability to complete current and future financings, any regulations or laws that will prevent Bitfarms from operating its business; historical prices of digital currencies and the ability to mine digital currencies that will be consistent with historical prices; an inability to predict and counteract the effects of COVID-19 on the business of the Company, including but not limited to the effects of COVID-19 on the price of digital currencies, capital market conditions, restriction on labour and international travel and supply chains; and, the adoption or expansion of any regulation or law that will prevent Bitfarms from operating its business, or make it more costly to do so. For further information concerning these and other risks and uncertainties, refer to the Company's filings on www.SEDAR.com (which are also available on the website of the U.S. Securities and Exchange Commission at www.sec.gov), including the annual information form for the year-ended December 31, 2022, filed on March 21, 2023. The Company has also assumed that no significant events occur outside of Bitfarms' normal course of business. Although the Company has attempted to identify important factors that could cause actual results to differ materially from those expressed in forward-looking statements, 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 any forward-looking information. The Company undertakes no obligation to revise or update any forward-looking information other than as required by law.

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