

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

SCHEDULE 14A

Proxy Statement Pursuant to Section 14(a) of
the Securities Exchange Act of 1934

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
- Confidential, for Use of the Commission Only** (as permitted by Rule 14a-6(e)(2))
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material Pursuant to Section 240.14a-12

Horizon Technology Finance Corporation
(Name of Registrant as Specified in its Charter)

(Name of Person(s) Filing Proxy Statement if Other Than the Registrant)

Payment of Filing Fee (Check the appropriate box):

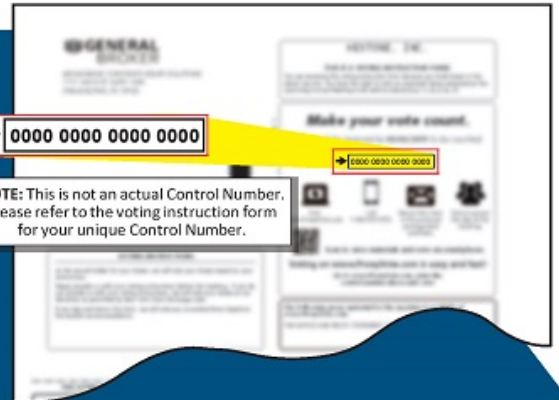
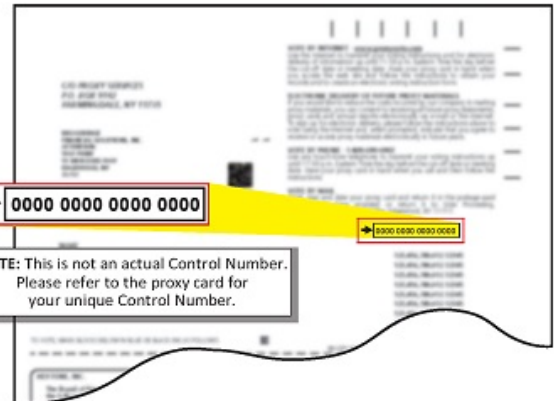
- No fee required.
 - Fee paid previously with preliminary materials.
 - Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.
-



Your investment needs prompt action. Please vote your shares today.

The annual meeting of stockholders is quickly approaching on May 25, 2023. Please take action today to have your shares represented in advance of the deadline. **You can vote your shares by internet, telephone, or mail.**

Simply follow the instructions on the enclosed form. For your convenience, we've highlighted where you can find your unique Control Number. **If you have any questions or need assistance, please call 1-877-495-1346.**



WAYS TO VOTE



ONLINE

WWW.PROXYVOTE.COM
Please have your proxy card in hand when accessing the website. There are easy-to-follow directions to help you complete the electronic voting instruction form.



PHONE

WITHOUT A PROXY CARD
Call 1-877-495-1346 Monday to Friday, 9:00 a.m. to 10:00 p.m. ET to speak with a proxy specialist.
WITH A PROXY CARD
Call 1-800-690-6903 with a touch-tone phone to vote using an automated system.



QR CODE

WITH A SMARTPHONE
Vote by scanning the Quick Response Code or "QR Code" on the proxy card/voting instruction form enclosed.



MAIL

VOTE PROCESSING
Mark, sign and date your proxy card and return it in the postage-paid envelope provided.



Please see enclosed proxy materials for detail pertaining to an amendment to the Proxy Statement.



Scan the code with your phone's camera to hear an important message from our Chairman and CEO, Robert D. Pomeroy, Jr.

Your vote is urgently needed!

Dear Stockholder,

The Annual Meeting of Stockholders ("Annual Meeting") is quickly approaching on May 25, 2023 at 9:30 a.m., Eastern Time, at our offices located at 312 Farmington Avenue, Farmington, CT 06032. The enclosed supplemental proxy materials amend the proxy materials you previously received in order to (i) add two additional proposals to be voted on at the Annual Meeting (Proposal 3 – to elect one Class II director and Proposal 4 – to elect one Class III director) and (ii) update certain disclosures in the proxy materials. All stockholders are entitled and encouraged to revoke any existing proxy and resubmit voting instructions. The Board of Directors of the Company, including the Independent Directors, unanimously recommends that all stockholders vote "FOR" each of the proposals, including the two additional proposals to elect two additional independent directors.

In addition to voting on Proposal 3 and Proposal 4, your vote is needed on Proposal 1 and Proposal 2. As described in greater detail in the proxy materials, as amended, our current investment advisor, Horizon Technology Finance Management LLC ("HTFM") recently entered into a purchase agreement to be acquired by an affiliate of Monroe Capital LLC. In order to permit HTFM to continue to provide investment advisory services to us after the closing of the acquisition, stockholders are being asked to approve a new investment management agreement.

We believe the acquisition of HTFM is consistent with our long-term strategy of aligning investment capabilities to create value for stockholders and will benefit us by allowing HTFM to participate in larger investment opportunities, thereby expanding our pool of potential investment opportunities.

We recommend you vote "FOR" each of the proposals.

It is important that your voice is heard, and that you vote at the upcoming Annual Meeting, regardless of the number of shares you own. It is extremely important that we achieve a quorum of stockholders in advance of the Annual Meeting to vote on the proposals in order to avoid an adjournment of the Annual Meeting. If you have any questions about voting, please contact your financial advisor or our proxy solicitor at 1-877-495-1346.

Thank you for your vote and continued support.

Sincerely,

Robert D. Pomeroy, Jr., Chairman and Chief Executive Officer

WAYS TO VOTE



ONLINE

PROXY QUESTIONS?
Call 1-877-495-1346

WWW.PROXYVOTE.COM
Please have your proxy card in hand when accessing the website. There are easy-to-follow directions to help you complete the electronic voting instruction form.



PHONE

WITHOUT A PROXY CARD
Call 1-877-495-1346
Monday to Friday, 9:00 a.m. to 10:00 p.m. ET to speak with a proxy specialist.
WITH A PROXY CARD
Call 1-800-690-6903 with a touch-tone phone to vote using an automated system.



QR CODE

WITH A SMARTPHONE
Vote by scanning the Quick Response Code or "QR Code" on the proxy card/voting instruction form enclosed.



MAIL

VOTE PROCESSING
Mark, sign and date your proxy card and return it in the postage-paid envelope provided.



IMMEDIATE ACTION REQUESTED

Supplemental materials enclosed
for your prompt review.



Horizon Technology Finance

YOUR VOTE IS URGENTLY NEEDED.

We've made it easy, so take two
minutes right now on any
device you prefer.



PHONE



TABLET



PC

Go to: Proxyvote.com