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

	FORM 8-K	
	CURRENT REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1	934
Date	of Report (Date of earliest event reported): October	r 5, 2023
	NSTS Bancorp, Inc. (Exact Name of Registrant as Specified in Its Char	ter)
	Delaware (State or Other Jurisdiction of Incorporation)	
001-41232 (Commission File Number)		87-2522769 (I.R.S. Employer Identification No.)
700 S. Lewis Avenue Waukegan, Illinois (Address of Principal Executive Offi	ices)	60085 (Zip Code)
((847) 336-4430 Registrant's Telephone Number, Including Area Co	ode)
(Form	Not Applicable her Name or Former Address, if Changed Since Las	t Report)
Check the appropriate box below if the Form 8-K filing is in	ntended to simultaneously satisfy the filing obligati	on of the registrant under any of the following provisions:
\square Written communications pursuant to Rule 425 under the	Securities Act (17 CFR 230.425)	
☐ Soliciting material pursuant to Rule 14a-12 under the Ex	change Act (17 CFR 240.14a-12)	
☐ Pre-commencement communications pursuant to Rule 14	4d-2(b) under the Exchange Act (17 CFR 240.14d-	2(b))
☐ Pre-commencement communications pursuant to Rule 1	3e-4(c) under the Exchange Act (17 CFR 240.13e-4	H(c))
Securities registered pursuant to Section 12(b) of the Act:		
Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock	NSTS	NASDAQ Capital Market
Indicate by check mark whether the registrant is an emergin of the Securities Exchange Act of 1934 (§240.12b-2 of this		ecurities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 Emerging growth company
If an emerging growth company, indicate by check mark if financial accounting standards provided pursuant to Section		ansition period for complying with any new or revised

Item 8.01. Other Events.

On October 6, 2023, NSTS Bancorp, Inc. (the "Company") announced that its Board of Directors approved the extension of the previously approved stock repurchase program authorizing the purchase of up to an aggregate of 269,898 shares of the Company's outstanding common stock. The shares authorized to be repurchased represent approximately 5.0% of the Company's then currently outstanding common stock. The shares may, at the discretion of management, be repurchased from time to time in open market purchases as market conditions warrant or in privately negotiated transactions, including pursuant to a Rule 10b5-1 plan, all as effected to the extent permitted by applicable law, including pursuant to the safe harbor provided under Rule 10b-18 of the Securities Exchange Act of 1934, as amended. The Company is not obligated to purchase any shares under the program, and the program may be discontinued at any time. The actual timing, number and share price of shares purchased under the repurchase program will be determined by the Company at its discretion and will depend on a number of factors, including the market price of the Company's stock, general market and economic conditions and applicable legal requirements. The previously approved program expired on September 29, 2023. The extended program will be in effect until September 30, 2024, unless earlier terminated.

Attached as Exhibit 99.1 is a copy of the press release relating to the Company's stock repurchase program, which is incorporated herein by reference.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No.	Description
99.1	Press Release dated October 6, 2023
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

Forward-Looking Statements

Certain statements contained herein are considered forward-looking statements within the meaning of the federal securities laws, and are intended to be covered by the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. These statements, which are based on certain current assumptions and describe our future plans, strategies and expectations, can generally be identified by the use of the words "may," "will," "should," "could," "would," "plan," "potential," "estimate," "believe," "intend," "anticipate," "expect," "target" and similar expressions.

Any forward-looking statement speaks only as of the date on which it is made. Forward-looking statements are based on current beliefs and expectations of management and are inherently subject to significant business, economic and competitive uncertainties and contingencies, many of which are beyond our control. In addition, these forward-looking statements are subject to assumptions with respect to future events, business strategies and decisions that are subject to change. Because of these and other uncertainties, our actual future results may be materially different from the results indicated by these forward-looking statements. Except as required by applicable law or regulation, we do not undertake, and we specifically disclaim any obligation, to update any forward-looking statements to reflect events or circumstances after the date of such statements or to reflect the occurrence of anticipated or unanticipated events.

SIGNATURE

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

NSTS Bancorp, Inc.

Date: October 6, 2023 By: /s/ Stephen G. Lea

By: /s/ Stephen G. Lear
Name: Stephen G. Lear
Title: President and Chief Executive Officer

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FOR IMMEDIATE RELEASE

Contact: Stephen G. Lear Chairman, President and Chief Executive Officer slear@northshoretrust.com (847) 336-4430

NSTS Bancorp Announces Extension of Stock Repurchase Program

Waukegan, IL, October 6, 2023 – NSTS Bancorp, Inc. (NASDAQ: NSTS) (the "Company" or "NSTS Bancorp"), the stock holding company of North Shore Trust and Savings, announced today that its Board of Directors has approved the extension of the previously announced stock repurchase program that authorizes the Company to repurchase up to an aggregate of 269,898 shares of the Company's outstanding common stock. The shares authorized to be repurchased represent approximately 5.0% of the Company's then currently outstanding common stock. The previously approved program expired on September 29, 2023. The extended program will be in effect until September 30, 2024, unless earlier terminated.

As of October 5, 2023, the Company has repurchased 152,681 shares at an average price of \$8.88 per share. An additional 117,217 shares are authorized for repurchase under the program.

"We believe the extension of the current stock repurchase program will continue to enhance our ability to efficiently manage our capital and provide a tool for creating value for our stockholders," said Stephen G. Lear, President and Chief Executive Officer of NSTS Bancorp.

Under the program, the shares may, at the discretion of management, be repurchased from time to time in open market purchases as market conditions warrant or in privately negotiated transactions, including pursuant to a Rule 10b5-1 plan, all as effected to the extent permitted by applicable law, including pursuant to the safe harbor provided under Rule 10b-18 of the Securities Exchange Act of 1934, as amended. The Company is not obligated to purchase any shares under the program, and the program may be discontinued at any time. The actual timing, number and share price of shares purchased under the repurchase program will be determined by the Company at its discretion and will depend on a number of factors, including the market price of the Company's stock, general market and economic conditions and applicable legal requirements.

About NSTS Bancorp, Inc. and North Shore Trust and Savings

NSTS Bancorp, Inc. is the stock holding company of North Shore Trust and Savings. As of June 30, 2023, NSTS Bancorp, Inc. had approximately \$257 million in assets and operates from its headquarters and main banking office in Waukegan, Illinois, as well as two additional full-service branch offices located in Waukegan and Lindenhurst, Illinois, respectively. For over 100 years, North Shore Trust and Savings has served the local communities where it operates and has deep and longstanding relationships with its businesses and retail customers as well as local municipalities.

Forward-Looking Statements

Certain statements contained herein are considered forward-looking statements within the meaning of the federal securities laws and are intended to be covered by the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. These statements, which are based on certain current assumptions and describe our future plans, strategies and expectations, can generally be identified by the use of the words "may," "will," "should," "could," "would," "plan," "potential," "estimate," "project," "believe," "intend," "anticipate," "expect," "target" and similar expressions.

Any forward-looking statement speaks only as of the date on which it is made. Forward-looking statements are based on current beliefs and expectations of management and are inherently subject to significant business, economic and competitive uncertainties and contingencies, many of which are beyond our control. In addition, these forward-looking statements are subject to assumptions with respect to future events, business strategies and decisions that are subject to change. Because of these and other uncertainties, our actual future results may be materially different from the results indicated by these forward-looking statements. Except as required by applicable law or regulation, we do not undertake, and we specifically disclaim any obligation, to update any forward-looking statements to reflect events or circumstances after the date of such statements or to reflect the occurrence of anticipated or unanticipated events.