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

	Washington, D.C. 20549	
	FORM 8-K	
	CURRENT REPORT PURSUANT TO SECTION 13 OR 15(d) HE SECURITIES EXCHANGE ACT OF	1934
Date of Repo	ort (Date of earliest event reported): Decembe	er 20, 2023
(Exac	NSTS Bancorp, Inc. et 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 Offices)		60085 (Zip Code)
(Regis	(847) 336-4430 trant's Telephone Number, Including Area C	ode)
(Former Na	Not Applicable me or Former Address, if Changed Since Las	rt Report)
Check the appropriate box below if the Form 8-K filing is intended	ed to simultaneously satisfy the filing obligat	on of the registrant under any of the following provisions:
$\hfill \square$ Written communications pursuant to Rule 425 under the Security	rities Act (17 CFR 230.425)	
☐ Soliciting material pursuant to Rule 14a-12 under the Exchang	ge Act (17 CFR 240.14a-12)	
☐ Pre-commencement communications pursuant to Rule 14d-2(t	o) under the Exchange Act (17 CFR 240.14d-	2(b))
☐ Pre-commencement communications pursuant to Rule 13e-4(c	under the Exchange Act (17 CFR 240.13e-	4(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 emerging gro of the Securities Exchange Act of 1934 (§240.12b-2 of this chapt	wth company as defined in Rule 405 of the Ser).	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 the re financial accounting standards provided pursuant to Section 13(a)		ansition period for complying with any new or revised

Item 8.01. Other Events.

On December 21, 2023, NSTS Bancorp, Inc. (the "Company") announced that its Board of Directors approved a new stock repurchase program authorizing the purchase of up to an aggregate of 265,763 shares of the Company's outstanding common stock. The shares authorized to be repurchased represent approximately 5.0% of the Company's 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 program will be in effect until December 31, 2024, unless earlier terminated.

Attached as Exhibit 99.1 is a copy of the press release relating to the Company's new 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 December 21, 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.

By: Name: Date: December 21, 2023

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



FOR IMMEDIATE RELEASE

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

NSTS Bancorp Announces Authorization of Stock Repurchase Program

Waukegan, IL, December 21, 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 a new stock repurchase program that authorizes the Company to repurchase up to an aggregate of 265,763 shares of the Company's outstanding common stock. The shares authorized to be repurchased represent approximately 5.0% of the Company's currently outstanding common stock. The program will be in effect until December 31, 2024, unless earlier terminated.

"We are excited to begin our second stock repurchase program and believe it 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 newly authorized 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 September 30, 2023, NSTS Bancorp, Inc. had approximately \$252 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.