

FOR IMMEDIATE RELEASE

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WILLIAM PENN BANCORPORATION ANNOUNCES SIXTH STOCK REPURCHASE PROGRAM

BRISTOL, PENNSYLVANIA, August 29, 2023 — William Penn Bancorporation (“William Penn” or the “Company”) (NASDAQ CM: WMPN), the parent company of William Penn Bank (the “Bank”), today announced that the Company’s Board of Directors has authorized a new stock repurchase program to acquire up to 1,138,470 shares, or approximately 10.0%, of the Company’s currently issued and outstanding common stock. The new stock repurchase program was authorized following the completion of the Company’s previously announced stock repurchase program on August 28, 2023. The new stock repurchase program was adopted following the Company’s consultation with the Federal Reserve Bank of Philadelphia.

On May 5, 2023, the Company announced its fifth stock repurchase program, which became effective upon the completion of the Company’s fourth stock repurchase program and authorized the purchase of up to 1,281,019 shares. Under this previously announced program, 1,281,019 shares of common stock have been repurchased at a cost of \$14,955,344, or \$11.67 per share. The Company completed this repurchase program on August 28, 2023.

On February 17, 2023, the Company announced its fourth stock repurchase program, which became effective upon the completion of the Company’s third stock repurchase program and authorized the purchase of up to 698,312 shares. Under this previously announced program, 698,312 shares of common stock have been repurchased at a cost of \$7,268,678, or \$10.41 per share. The Company completed this repurchase program on May 31, 2023.

On August 18, 2022, the Company announced its third stock repurchase program, which became effective upon the completion of the Company’s second stock repurchase program and authorized the purchase of up to 739,385 shares. Under this previously announced program, 739,385 shares of common stock have been repurchased at a cost of \$8,467,495, or \$11.45 per share. The Company completed this repurchase program on April 3, 2023.

On June 9, 2022, the Company announced its second stock repurchase program, which became effective upon the completion of the Company’s first stock repurchase program and authorized the purchase of up to 771,445 shares. Under this previously announced program, 771,445 shares of common stock have been repurchased at a cost of \$8,945,802, or \$11.60 per share. The Company completed this repurchase program on January 10, 2023.

On March 11, 2022, the Company announced its first stock repurchase program, which became effective on March 25, 2022 and authorized the purchase of up to 758,528 shares. Under this previously announced program, 758,528 shares of common stock have been repurchased at a cost of \$8,981,445, or \$11.84 per share. The Company completed this repurchase program during the quarter ended June 30, 2022.

Repurchases will be conducted through open market purchases, which may include purchases under a trading plan adopted pursuant to Securities and Exchange Commission Rule 10b5-1, or through privately

negotiated transactions. Repurchases will be made from time to time depending on market conditions and other factors.

The repurchase program does not obligate the Company to purchase any particular number of shares, and the timing and actual number of shares repurchased will depend on a variety of factors including price, corporate and regulatory requirements, market conditions, and other corporate liquidity requirements and priorities. There is no guarantee as to the exact number of shares to be repurchased by William Penn.

About William Penn Bancorporation

William Penn Bancorporation, headquartered in Bristol, Pennsylvania, is the holding company for William Penn Bank, which serves the Delaware Valley area through twelve full-service branch offices in Bucks County and Philadelphia, Pennsylvania, and Burlington, Camden and Mercer Counties in New Jersey. The Company's executive offices are located at 10 Canal Street, Suite 104, Bristol, Pennsylvania 19007. William Penn Bank's deposits are insured up to the legal maximum (generally \$250,000 per depositor) by the Federal Deposit Insurance Corporation (FDIC). The primary federal regulator for William Penn Bank is the FDIC. For more information about the Bank and William Penn, please visit www.william penn.bank.

Forward Looking Statements

This news release may contain forward-looking statements, which can be identified by the use of words such as “believes,” “expects,” “anticipates,” “estimates” or similar expressions. Such forward-looking statements and all other statements that are not historic facts are subject to risks and uncertainties which could cause actual results to differ materially from those currently anticipated due to a number of factors. These factors include, but are not limited to, general economic conditions, changes in the interest rate environment, legislative or regulatory changes that may adversely affect our business, changes in accounting policies and practices, changes in competition and demand for financial services, adverse changes in the securities markets, changes in deposit flows, changes in the quality or composition of our loan or investment portfolios, our ability to successfully manage liquidity, our ability to successfully integrate the business operations of acquired businesses into our business operations, the effect of war, acts of terrorism or civil unrest, the impact of pandemics such as the recent COVID-19 pandemic, and that the Company may not be successful in the implementation of its business strategy. Additionally, other risks and uncertainties may be described in William Penn’s Annual Report on Form 10-K for the year ended June 30, 2022 and other periodic reports filed with the SEC, which are available through the SEC’s EDGAR website located at www.sec.gov. Should one or more of these risks materialize, actual results may vary from those anticipated, estimated or projected. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date of this press release. Except as may be required by applicable law or regulation, William Penn assumes no obligation to update any forward-looking statements.