ANNUAL MEETING OF STOCKHOLDERS OF

FIRSTSUN CAPITAL BANCORP

May 10, 2023

NOTICE OF INTERNET AVAILABILITY OF PROXY MATERIALS:

The Notice of Meeting, proxy statement and proxy card are available at https://ir.firstsuncb.com/governance/default.aspx

Please sign, date and mail your proxy card in the envelope provided as soon as possible.

Please detach along perforated line and mail in the envelope provided.

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Proposal No. 1. Election of Directors: To elect the following two Class III directors for terms expiring at the 2026 Annual Meeting. This proxy, when properly executed, will be voted in the manner directed herein by the undersigned stockholder. If no direction is made, this proxy will be voted "FOR" all nominees listed in Proposal No. 1 and will be voted in the best judgment of the FOR ALL NOMINEES O Christopher C. Casciato proxies upon such other matters as may properly come before the meeting. O Paul A. Larkins

THE BOARD OF DIRECTORS RECOMMENDS YOU VOTE FOR EACH DIRECTOR NOMINEE IN THE FOLLOWING PROPOSAL. PLEASE SIGN, DATE AND RETURN PROMPTLY IN THE ENCLOSED ENVELOPE. PLEASE MARK YOUR VOTE IN BLUE OR BLACK INK AS SHOWN HERE |X|

WITHHOLD AUTHORITY FOR ALL NOMINEES FOR ALL EXCEPT INSTRUCTIONS: To withhold authority to vote for any individual nominee(s), mark "FOR ALL EXCEPT" and fill in the circle next to each nominee you wish to withhold, as shown here: MARK "X" HERE IF YOU PLAN TO ATTEND THE VIRTUAL MEETING. To change the address on your account, please check the box at right and indicate your new address in the address space above. Please note that changes to the registered name(s) on the account may not be submitted via this method. Signature of Stockholder Signature of Stockholder Date:

Note: Please sign exactly as your name or names appear on this Proxy. When shares are held jointly, each holder should sign. When signing as executor, administrator, attorney, trustee or guardian, please give full title as such. If the signer is a corporation, please sign full corporate name by duly authorized officer, giving full title as such. If signer is a partnership, please sign in partnership name by authorized person.

FIRSTSUN CAPITAL BANCORP

Proxy for Annual Meeting of Stockholders on May 10, 2023 Solicited on Behalf of the Board of Directors

The undersigned hereby constitutes and appoints Kelly C. Rackley and Robert A. Cafera, Jr., and each of them, as his or her true and lawful agents and proxies with full power of substitution in each, to represent and vote, as indicated below, all of the shares of common stock of FirstSun Capital Bancorp (the "Company") that the undersigned would be entitled to vote at the Annual Meeting of Stockholders of the Company to be held virtually, on Wednesday, May 10, 2023, at 8:30 a.m., Central Time, and at any adjournment, upon the matter described in the accompanying Notice of Annual Meeting of Stockholders and Proxy Statement, receipt of which is hereby acknowledged.

(Continued and to be signed on the reverse side)

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