



Your vote matters - here's how to vote!

You may vote online or by phone instead of mailing this card.



Votes submitted electronically must be received by 1:00 A.M., Central Time, on May 12, 2026.

Online

Go to www.investorvote.com/AUBN or scan the QR code – login details are located in the shaded bar below.



Phone

Call toll free 1-800-652-VOTE (8683) within the USA, US territories and Canada



Save paper, time and money!
Sign up for electronic delivery at www.investorvote.com/AUBN

Using a black ink pen, mark your votes with an X as shown in this example. Please do not write outside the designated areas.



Annual Meeting Proxy Card

▼ IF VOTING BY MAIL, SIGN, DETACH AND RETURN THE BOTTOM PORTION IN THE ENCLOSED ENVELOPE. ▼

A Proposals – The Board of Directors recommend a vote FOR all the nominees listed in Proposal 1, FOR Proposal 2, and FOR Proposal 3.

1. Election of Directors:

- | | | | |
|------------------------|------------------------|--------------------------|--------------------------|
| 01 - C. Wayne Alderman | 02 - Terry W. Andrus | 03 - J. Tutt Barrett | 04 - Walton T. Conn, Jr. |
| 05 - Robert W. Dumas | 06 - Jeffrey J. Evans | 07 - William F. Ham, Jr. | 08 - David A. Hedges |
| 09 - David E. Housel | 10 - Michael A. Lawler | 11 - Anne M. May | 12 - Sandra J. Spencer |

Mark here to vote **FOR** all nominees

Mark here to **WITHHOLD** vote from all nominees

For All **EXCEPT** - To withhold a vote for one or more nominees, mark the box to the left and the corresponding numbered box(es) to the right.

01	02	03	04	05	06	07	08	09	10	11	12
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. To approve the compensation of the Company's named executive officers.

For	Against	Abstain
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. To ratify the appointment of Elliott Davis, LLC as the independent registered public accounting firm of the Company for the fiscal year ending December 31, 2026.

For	Against	Abstain
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. The Proxies are authorized to vote upon such other business as may properly come before the Meeting, or any adjournments of the majority of the Company's Board of Directors.

B Authorized Signatures – This section must be completed for your vote to be counted. – Date and Sign Below

When shares are held by joint tenants, both should sign. Executors, administrators, trustees, etc. should give full title as such. If the signer is a corporation, please sign full corporate name by duly authorized officer.

Date (mm/dd/yyyy) – Please print date below.

Signature 1 – Please keep signature within the box.

Signature 2 – Please keep signature within the box.

/ /



Small steps make an impact.

Help the environment by consenting to receive electronic delivery, sign up at www.investorvote.com/AUBN



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REVOCABLE PROXY – AUBURN NATIONAL BANCORPORATION, INC.



2026 ANNUAL MEETING OF SHAREHOLDERS MAY 12, 2026

THIS PROXY IS SOLICITED BY THE BOARD OF DIRECTORS.

KNOW BY ALL MEN BY THESE PRESENTS, that the undersigned shareholder of Auburn National Bancorporation, Inc., Auburn, Alabama (the “Company”), hereby revoking any proxy heretofore given, does hereby nominate, constitute, and appoint Robert W. Dumas, and Terry W. Andrus or either one of them, the true and lawful attorneys and proxies of the undersigned, with full power of substitution, for the undersigned and in the undersigned’s name, place, and stead, to vote all of the shares of common stock of the Company standing in the undersigned’s name, on its books at the close of business on March 23, 2026, and that the undersigned shall be entitled to vote at the Annual Meeting of Shareholders to be held at the AuburnBank Center, 100 North Gay Street, Auburn, Alabama at 3:00 p.m. local time, on Tuesday, May 12, 2026, and at any adjournments thereof (the “Meeting”), with all the powers the undersigned would possess if personally present as follows:

The proxy will be voted as directed by the undersigned shareholder. Unless contrary direction is given, this proxy will be voted FOR the election of all the nominees listed in Proposal 1, FOR approval of the compensation of the Company’s named executive officers, and FOR the ratification of the appointment of Elliott Davis, LLC as the independent registered public accounting firm of the Company for the fiscal year ending December 31, 2026. The Proxies are authorized to vote upon such other business as may properly come before the Meeting, or any adjournments in accordance with the determination of a majority of the Board of Directors as to any other matters. The undersigned shareholder may revoke this proxy at any time prior to its exercise at the Meeting by either (i) giving written notice of revocation to the Company’s Secretary, (ii) properly submitting to the Company a duly executed Proxy bearing a later date, or (iii) by appearing at the Meeting and voting in person. The undersigned shareholder hereby acknowledges receipt of the Notice of Annual Meeting and Proxy Statement.

IMPORTANT NOTICE REGARDING THE AVAILABILITY OF PROXY MATERIALS FOR THE SHAREHOLDER MEETING TO BE HELD ON MAY 12, 2026 FOR AUBURN NATIONAL BANCORPORATION, INC. THE FOLLOWING MATERIAL IS AVAILABLE AT WWW.AUBNPROXY.COM. *PROXY STATEMENT *ANNUAL REPORT

PLEASE COMPLETE, DATE, SIGN, AND MAIL THIS PROXY CARD IN THE ENCLOSED POSTAGE-PAID ENVELOPE. YOU MAY ALSO VOTE ONLINE AT INVESTORVOTE.COM/AUBN.

C Non-Voting Items

Change of Address – Please print new address below.

Meeting Attendance
Mark box to the right if you plan to attend the Annual Meeting.

