



PLEASE MARK VOTES
AS IN THIS EXAMPLE

REVOCABLE PROXY ESB FINANCIAL CORPORATION

THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS OF ESB FINANCIAL CORPORATION (THE "COMPANY") FOR USE ONLY AT THE ANNUAL MEETING OF STOCKHOLDERS TO BE HELD ON APRIL 20, 2011 AND AT ANY ADJOURNMENT THEREOF.

The undersigned hereby appoints the Board of Directors of the Company, or any successors thereto, as proxies, with full powers of substitution, to vote the shares of the undersigned at the Annual Meeting of Stockholders of the Company to be held at the Connoquenessing Country Club located at 1512 Mercer Road, Ellwood City, Pennsylvania, on Wednesday, April 20, 2011, at 4:00 p.m., local time, or at any adjournment thereof, with all the powers that the undersigned would possess if personally present, as indicated below.

- | | | | |
|--------------------------------|--------------------------|--------------------------|--------------------------|
| | For | With-
hold | For All
Except |
| 1. Election of Directors | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Nominee for a three-year term: | Herbert S. Skuba | | |
| Nominee for a two-year term: | William B. Salsgiver | | |
- INSTRUCTION: To withhold authority to vote for any individual nominee, mark "For All Except" and write that nominee's name in the space provided below.**

- | | | | |
|------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| | For | Against | Abstain |
| 2. Proposal to adopt a non-binding resolution to approve the compensation of our named executive officers. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

- | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Every
Three
Years | Every
Two
Years | Every
Year | Abstain |
| 3. Advisory vote on the frequency of the non-binding resolution to approve the compensation of our named executive officers. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | For | Against | Abstain | |
| 4. Proposal to ratify the appointment of S.R. Snodgrass, A.C. as the Company's independent registered public accounting firm for the year ending December 31, 2011. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

In their discretion, the proxies are authorized to vote with respect to approval of the minutes of the last meeting of stockholders, the election of any person as a director if the nominee is unable to serve or for good cause will not serve, matters incident to the conduct of the meeting, and upon such other matters as may properly come before the meeting.

The Board of Directors recommends that you vote **FOR** the nominees for director, **FOR** approval of the non-binding resolution to approve the compensation of our named executive officers, **FOR EVERY THREE YEARS** on the advisory vote on the frequency of the non-binding resolution to approve the compensation of our named executive officers and **FOR** the proposal to ratify the independent registered public accounting firm for 2011. You are encouraged to specify your choices by marking the appropriate boxes above; however, you need not mark any boxes if you wish to vote in accordance with the Board of Directors' recommendations. This proxy may not be voted for any person who is not a nominee of the Board of Directors of the Company. **This proxy may be revoked at any time before it is exercised.**

Please be sure to date and sign
this proxy card in the box below.

Date

Sign above _____ Co-holder (if any) sign above _____

↑ Detach above card, sign, date and mail in postage paid envelope provided. ↓

ESB FINANCIAL CORPORATION

Shares of Common Stock of the Company will be voted as specified. If no specification is made, shares will be voted FOR the election of the Board of Directors' nominees to the Board of Directors, FOR approval of the non-binding resolution to approve the compensation of our named executive officers, FOR EVERY THREE YEARS on the advisory vote on the frequency of the non-binding resolution to approve the compensation of our named executive officers and FOR the proposal to ratify the independent registered public accounting firm for 2011, and otherwise at the discretion of the proxies.

The above hereby acknowledges receipt of the Notice of Annual Meeting of Stockholders of the Company called for April 20, 2011, a Proxy Statement for the Annual Meeting and the 2010 Annual Report to Stockholders.

Please sign exactly as your name(s) appear(s) on this proxy. Only one signature is required in case of a joint account. When signing in a representative capacity, please give title.

PLEASE MARK, SIGN, DATE AND PROMPTLY RETURN THIS PROXY CARD USING THE ENCLOSED ENVELOPE

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting of Stockholders to be Held on April 20, 2011. The Proxy Statement and the 2010 Annual Report to Stockholders as well as driving directions to the annual meeting are available on our website at www.esbbank.com under the tabs "About Us – ESB Financial Corp – Annual Meeting Information."

IF YOUR ADDRESS HAS CHANGED, PLEASE CORRECT THE ADDRESS IN THE SPACE PROVIDED BELOW AND RETURN THIS PORTION WITH THE PROXY IN THE ENVELOPE PROVIDED.

