



IMPORTANT ANNUAL MEETING INFORMATION

IMPORTANT NOTICE REGARDING THE AVAILABILITY OF PROXY MATERIALS FOR THE ANNUAL STOCKHOLDER MEETING TO BE HELD ON MAY 18, 2023.

OUR PROXY STATEMENT AND PROXY CARD ARE ALSO AVAILABLE AT:

<https://generationsbancorpany.com/annual-meeting/>

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 unanimously recommends a vote “FOR” each of the proposals.

1. Election of Directors:

	For	Withhold		For	Withhold		For	Withhold
01 - Dr. Frank J. Nicchi	<input type="checkbox"/>	<input type="checkbox"/>	02 - Alicia H. Pender	<input type="checkbox"/>	<input type="checkbox"/>	03 - Vincent P. Sinicropi	<input type="checkbox"/>	<input type="checkbox"/>

2. The ratification of the appointment of Bonadio & Co LLP as Generations Bancorp NY, Inc.'s independent auditing firm for the year ending December 31, 2023.

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

YOU MUST COMPLETE SECTIONS A - C ON BOTH SIDES OF THIS CARD.

REVOCABLE PROXY — GENERATIONS BANCORP NY, INC.

ANNUAL MEETING OF STOCKHOLDERS ON MAY 18, 2023

THIS PROXY IS SOLICITED BY THE BOARD OF DIRECTORS.

The undersigned hereby appoints the Board of Directors, with full powers of substitution to act as attorneys and proxies for the undersigned to vote all shares of Common Stock of Generations Bancorp NY, Inc. which the undersigned is entitled to vote at a Annual Meeting of Stockholders of Generations Bancorp NY, Inc. to be held at our Corporate Headquarters, 20 E. Bayard Street, Seneca Falls, New York, 13148 at 1:00 p.m., (Eastern time) on May 18, 2023. The official proxy committee is authorized to cast all votes to which the undersigned is entitled as follows:

THE BOARD OF DIRECTORS UNANIMOUSLY RECOMMENDS A VOTE "FOR" EACH OF THE PROPOSALS.

THIS PROXY, PROPERLY SIGNED AND DATED, WILL BE VOTED AS DIRECTED, BUT IF NO INSTRUCTIONS ARE SPECIFIED FOR ONE OR MORE PROPOSALS, THIS PROXY WILL BE VOTED "FOR" EACH PROPOSAL. IF ANY OTHER BUSINESS IS PRESENTED AT THE ANNUAL MEETING OF STOCKHOLDERS, THIS PROXY WILL BE VOTED BY THE PROXY COMMITTEE OF THE BOARD OF DIRECTORS IN ITS BEST JUDGMENT. AT THE PRESENT TIME, THE BOARD OF DIRECTORS KNOWS OF NO OTHER BUSINESS TO BE PRESENTED AT THE ANNUAL MEETING OF STOCKHOLDERS.

NOTICE TO PARTICIPANTS IN THE GENERATIONS BANK EMPLOYEE STOCK OWNERSHIP AND 401K PLANS.

This proxy also constitutes voting instructions for participants in the Generations Bank Employee Stock Ownership Plan (ESOP) and the Generations Bank 401k Plan (401k Plan). A participant who signs on the reverse side hereby instructs the respective trustees of the ESOP and/or the 401k Plan to vote all the shares of the Common Stock allocated to his or her account in accordance with the instructions on the reverse side. The ESOP trustee, subject to the exercise of its fiduciary duties, will vote all unallocated shares of the Common Stock held by the ESOP and all allocated shares for which no voting instructions are received, including any instruction to abstain, in the same proportion as shares for which it has received timely voting instructions from the ESOP participants. The 401k Plan trustee will vote all shares for which it does not receive timely instructions from participants at the direction of the Company's Board of Directors or the Plan Committee of the Board. Your voting instructions must be received by 11:00 a.m. Eastern time on May 11, 2023 to allow sufficient time for processing.

The below signed acknowledges receipt from Generations Bancorp NY, Inc. prior to the execution of this proxy of a Notice of Annual Meeting, Proxy Statement and Annual Report.

PLEASE COMPLETE, DATE, SIGN, AND MAIL THIS PROXY CARD IN THE ENCLOSED POSTAGE-PAID ENVELOPE

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

B Non-Voting Items

Change of Address — Please print new address below.

Comments — Please print your comments below.

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

C 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.

YOU MUST COMPLETE SECTIONS A - C ON BOTH SIDES OF THIS CARD.