



FEDERAL RESERVE BANK *of* NEW YORK

# Measuring the Natural Rate of Interest: Past, Present, and Future

Thomas Laubach Research Conference

John C. Williams, President and Chief Executive Officer

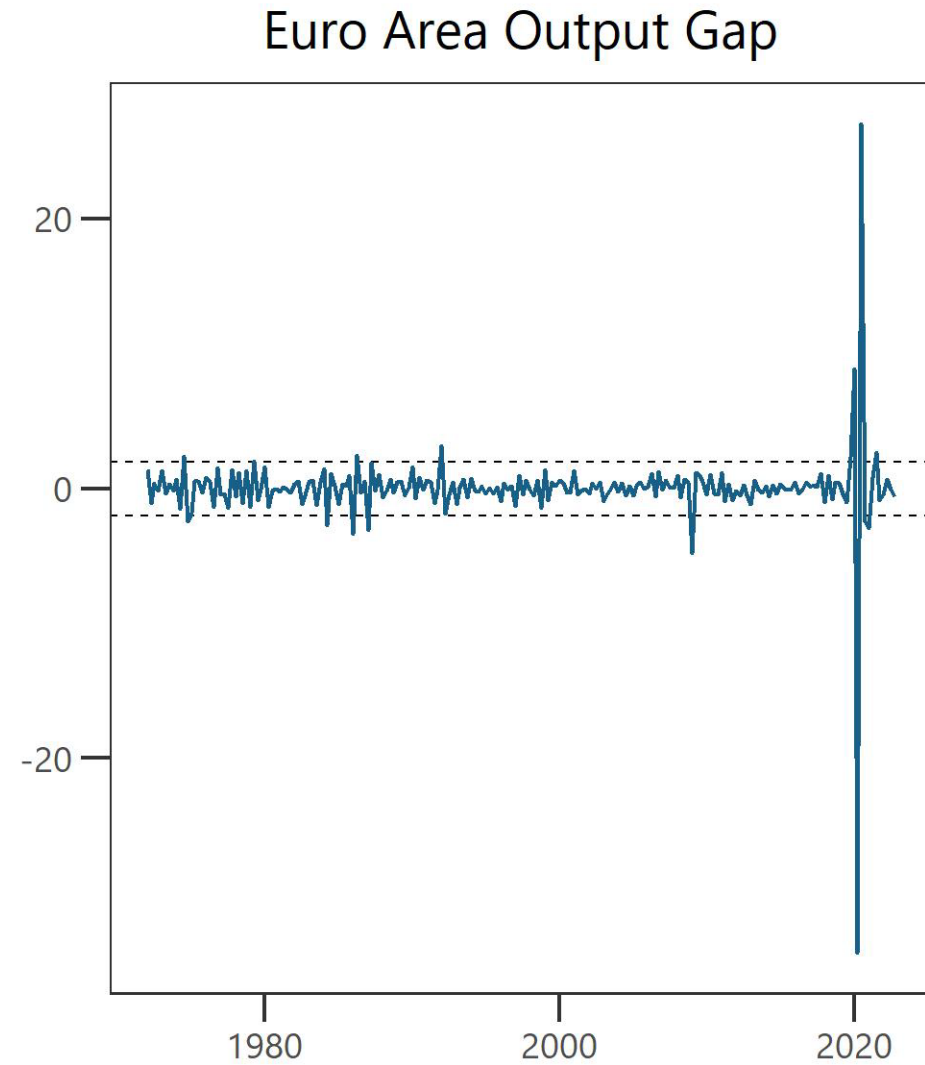
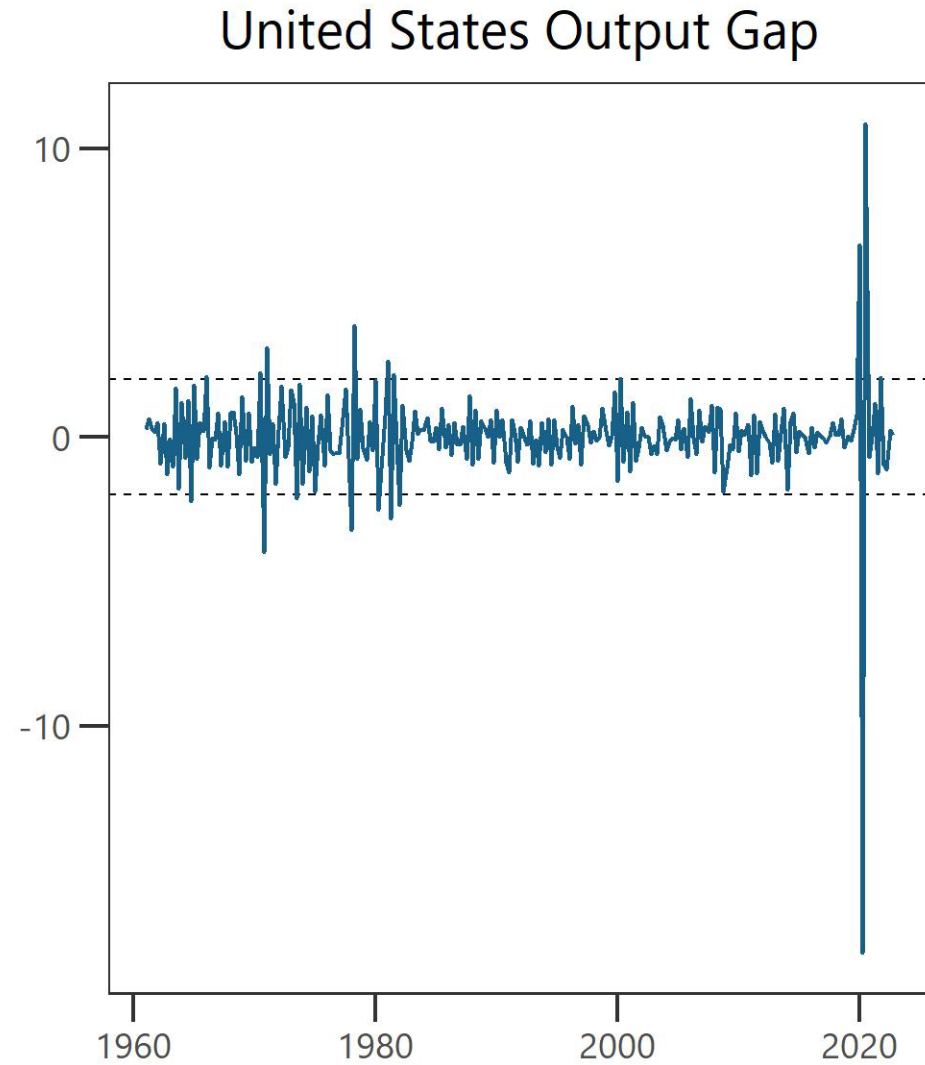
May 19, 2023

\*The views expressed in this presentation are those of the author(s) and do not necessarily reflect the position of the Federal Reserve Bank of New York, the Federal Open Market Committee, or the Federal Reserve System.

Figure 1: What's Past is Prologue: Pre-pandemic HLW Estimates of  $R^*$



Figure 2: Standardized Auxiliary Residuals – 2019Q4 Parameters



\*dashed lines indicate +/- 2 standard deviations

Figure 3: HLW R\* Estimates for the United States

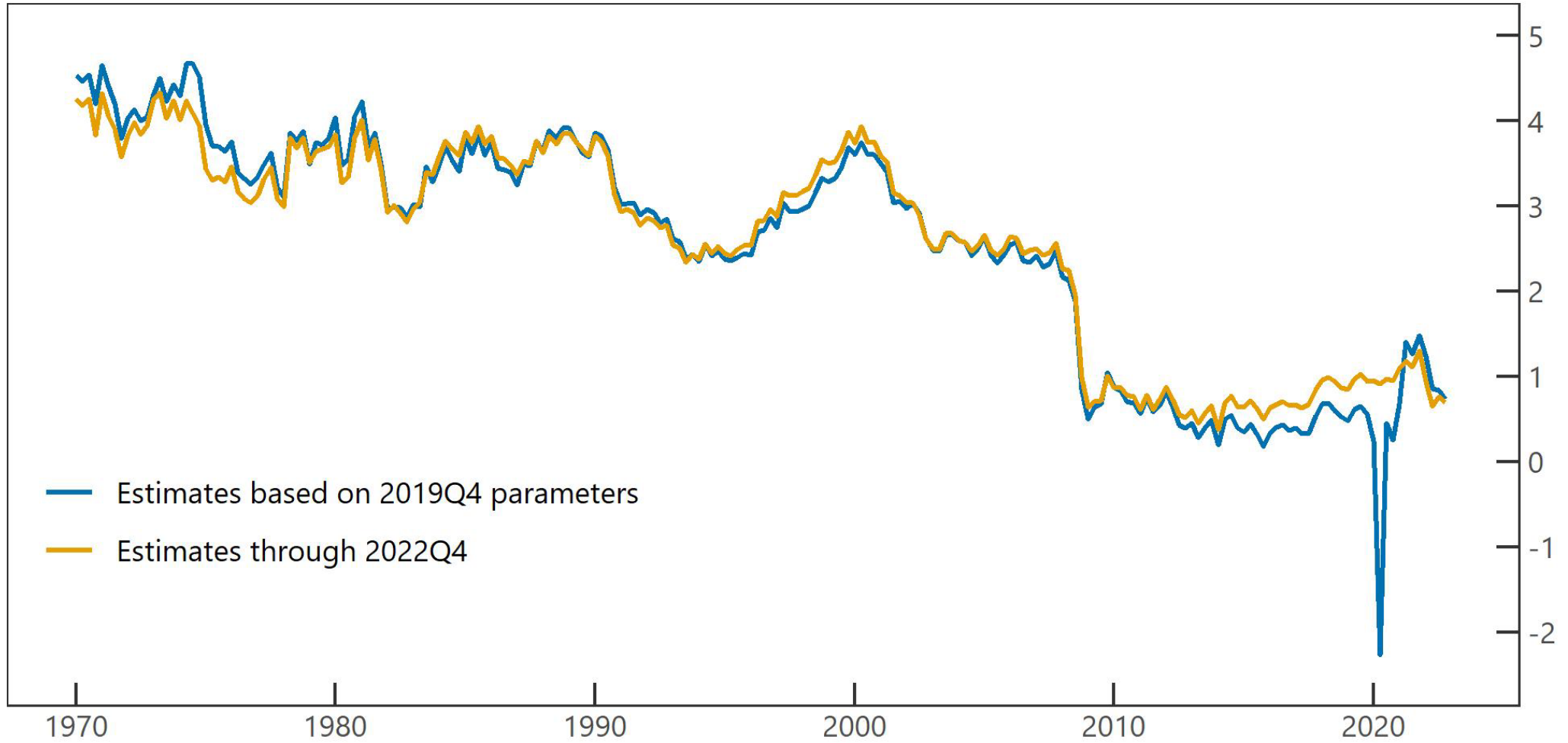


Figure 4: U.S. Natural Level of Output Estimates

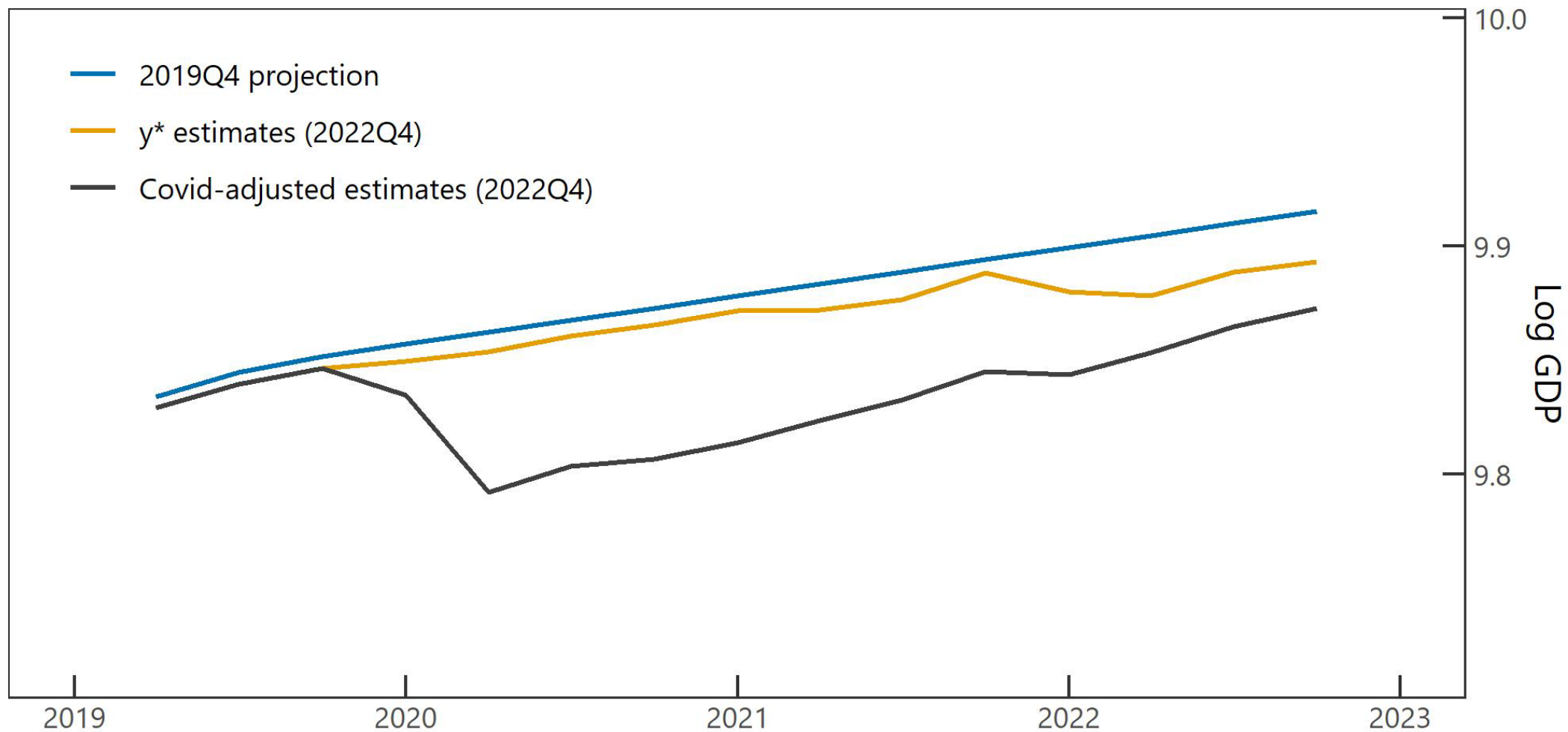


Figure 5: HLW R\* Estimates for the United States

