

Peer Review Plan

Preliminary Title: Structure of the USDA Livestock and Poultry Baseline Model

Type of Report
(ERR, EIB, EB,
TB, SOR,)

TB

Agency: Economic Research Service [X] Influential Scientific Information
USDA [] Highly Influential Scientific Assessment

Agency Contact: Kelly Maguire, kelly.b.maguire@usda.gov

Subject of Review: The United States Department of Agriculture (USDA) produces annual ten-year projections for the food and agriculture sector that cover major agricultural commodities, agricultural trade, and aggregated indicators of the U.S. farm sector. These projections are published in an annual report, with the most recent being "USDA Agricultural Projections to 2030." The Economic Report of the President also includes these projections and has a direct impact on policy decisions. These 10-year projections are called the "baseline." The USDA's Economic Research Service, ERS, maintains a stand-alone Livestock Baseline model, which characterizes the relationships among livestock production and the market conditions for related animal products for cattle-beef, hogs-pork, chicken, and turkey. The Livestock baseline model is a synthetic model, combining data, parameters, and/or equations from different sources into a single model. Many of the equations in the synthetic model come from econometric estimates. This Bulletin outlines the equations and estimates of a Domestic Baseline Livestock Model, an econometric model of the domestic supply, demand, and pricing systems for beef, pork, broilers, and turkey. These estimates and equations were used to create the 2021 Baseline projections. Previous baseline projections used a different set of equations.

Purpose of Review: The purpose of the review is to ensure the high-quality of the economic analysis, transparent explanation of methods, objective interpretation of results, and effective communication to the intended audience.

Type of Review: [] Panel Review [X] Individual Reviewers
[] Alternative Process (Briefly Explain):

Timing of Review (Est.): Start: 04/21/2021 Completed: 07/16/2021 Withdrawn: XX/XX/XX

Number of Reviewers: [] 3 or fewer [X] 4 to 10 [] More than 10

Primary Disciplines/Types of Expertise Needed for Review: Economists

Reviewers selected by: [X] Agency [] Designated Outside Organization
Organization's Name:

Opportunities for Public Comment? [] Yes [X] No

If yes, briefly state how and when these opportunities will be provided:

How:

When:

Peer Reviewers Provided with Public Comments? [] Yes [X] No

Public Nominations Requested for Review Panel? [] Yes [X] No