

Peer Review Plan

Preliminary Title: Increasing the Value of Animal Manure for Farmers

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

ERR

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

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Subject of Review: Animal manure provides crop nutrients and soil regenerative properties, but its low nutrient density reduces its market value as a fertilizer. With further processing, manure can be used to generate energy in the forms of heat, gas and electricity, but innovation is required to compete against other renewable energy sources. Mismanaged manure can contribute to air and water quality problems. Environmental regulations can both raise manure management costs and increase manure's value as an energy precursor. This study uses data from the USDA Agricultural Resource Management Survey to describe current manure production, handling, storage and use. An extensive literature review of manure-related research describes emerging and existing technologies that have the potential to increase the value of manure or reduce manure management costs. The study identifies potential Federal programs and policies for promoting adoption of technologies that enhance manure value for farmers.

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Timing of Review (Est.): Start: 04/19/2021 Completed: 09/23/2021 Withdrawn: XX/XX/XX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