

Peer Review Plan

Preliminary Title: Food-Related Energy Use in the United States
Type of Report (ERR, EIB, EB) ERR
 Influential Scientific Information
Agency: Economic Research Service Highly Influential Scientific Assessment
USDA
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Subject of Review: This report presents an input-output material flow analysis (IO-MFA) of food-related energy flows in the United States between 1997 and 2007. A food system energy flow analysis measures the units of energy services that are used throughout an entire food system from the conversion of primary fuel stocks (coal, oil, natural gas, and renewable and fissionable fuels) into more useful forms, such as heat and electric current. Using a framework known as Input-Output Material Flow Analysis, this study traced the measured flows of all energy sources used as fuel in the United States to final markets in three interrelated steps: (1) measure all known quantities of energy directly used in each domestic production activity including household operations, organized into roughly 400 industry classifications; (2) trace the flow of energy embodied in each of the energy using industry products throughout and out of the production economy and into a complete accounting of final market sales; (3) identify all food-related final markets and assess the food-related energy embodied in all final market sales. Data for this analysis is almost exclusively from two sources, the Bureau of Economic Analysis (BEA) Benchmark Input-Output tables and the Energy Information Administration (EIA) State Energy Data System

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 Individual Reviewers
 Alternative Process (Briefly Explain):

Timing of Review (Est.): Start: 07/16/09 End: X/X/X Completed: 9/30/09

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

Primary Disciplines/Types of Expertise Needed for Review: Economists

Reviewers selected by: Agency Designated Outside Organization
Organization's Name:

Opportunities for Public Comment? Yes No
If yes, briefly state how and when these opportunities will be provided:
How:
When:

Peer Reviewers Provided with Public Comments? Yes No
Public Nominations Requested for Review Panel? Yes No

