

Peer Review Plan

Preliminary Title: Climate Change Impacts on Agriculture in the U.S.: Shifting Regional Water Balances and Producer Adaptation

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

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

Agency Contact: Ephraim Leibtag ; eleibtag@ers.usda.gov

Subject of Review: U. S. Agriculture faces significant changes in local patterns of precipitation and temperature over the next century, with implications for regional water cycling and water availability and resulting impacts on agricultural production. The vulnerability of agriculture to climate change will depend, in part, on its ability to adapt to changing production conditions. Producers may shift their reliance on irrigated and dryland production to adapt to the changing climate, with implications for farm returns, resource use and environmental quality. Using a suite of models, this study explores the biophysical and economic impacts of climate change under several future climate projections. It also addresses how adaptation strategies may be limited, or in some cases enhanced, as regional water balances shift.

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: 07/25/14 End: 04/30/15 Completed: 04/30/15

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



