

VITA

HARRY S. BAUMES, PH. D

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Former Director

Office of Energy Policy and New Uses

Office of the Chief Economist

United States Department of Agriculture

Professional Experience

US Department of Agriculture, Economic Research Service, Numerous Positions

Director, Office of Energy Policy and New Uses (OEPNU), December 2010 – March 2018

Senior Executive Advisor to the Director, Bioenergy Technologies Office, U.S. Department of Energy, a partial detail, August 2015 – April 2016

Associate Director, (OEPNU), April 2006-November 2010

Retired March 31, 2018

OEPNU is a small office of seven including me, and as a consequence, in addition to management and administrative responsibilities, I proactively participate in relevant program issues and policy. OEPNU coordinates economic analysis of energy and biobased product issues across USDA and is responsible, with the National Institute of Food and Agriculture (NIFA), for implementing the Biodiesel Fuel Education Program. OEPNU conducts research on biofuel's net energy balance, biobased product markets, energy use in agriculture, life-cycle analyses, and renewable energy technologies. I am chair the Bioeconomy Council Coordinating Committee, an intra-agency committee, which supports the Secretary's Energy Council. OEPNU, along with other USDA agencies and the Department of Energy (DOE), participates in the Biomass Research and Development Initiative. The office works closely with EPA on implementation of the Renewable Fuel Standard, feedstock analysis, and waiver requests.

Historical, the renewable energy rubric and OEPNU focused on ethanol and biodiesel, OEPNU has evolved to include expanding interests in alternative fuels (aviation, marine), biopower (solar, wind, biogas) and more recently to the bioeconomy, as well to meet the evaluation, analytical, and assessment demands of the Chief Economist and Office of the Secretary. Under my leadership, the office has developed broader expertise and analytical capacity in biopower, renewable chemicals, and biobased manufacturing. Utilizing financial resources for training, industry/professional meetings, networking, and cooperative agreements has enabled the office to be responsive to changing goals and priorities of the department.

WEFA, Inc.

Senior Vice President, Industry and Agriculture, February 1999 – March 2006

Senior Vice President, Agriculture Services, January 1996 – January 1999.

Responsible for managing the WEFA Agriculture Department to insure that a broad spectrum of agricultural analyses and forecasts are completed and provided to clients in a timely fashion. Agricultural coverage includes county, state and national level price, supply, demand and policy analyses, International Agriculture, and Canadian Agricultural analyses on a commodity basis. Input specific forecasts and analyses responsibilities include the fertilizer and farm equipment sectors. Insure staff responds to clients needs, market agriculture service, and expand agricultural business through product development and potential acquisition candidates.

US Department of Agriculture, Economic Research Service, Numerous Positions

Chief, Resource and Environmental Policy Branch, October 1994 – January 1996

Chief, Western Hemisphere Branch, June 1992 – September 1994

Chief, US Agricultural Policy Branch, January 1988 – May 1991

As Chiefs of the Resource and Environmental Policy (REP), Western Hemisphere (WH) and US Agricultural Policy (USAP) Branches it was my responsibility to provide the leadership and manage the respective branch staffs and provide direction that was consistent with the overall objectives of the Economic Research Service, assign resources to projects and prioritize branch activities. There were two main program thrusts for REP: 1) public policies and programs designed to maintain and enhance the quality of agricultural resources; and 2) the interrelationships between international trade, environmental policy, and competitiveness. My role as Chief of the WH and USAP branches was directed to commodity and regional trade analysis. Work contributed to interagency activities, support of the Uruguay Round, North American Free Trade Agreement, and US – Canada Free Trade Agreement negotiations, and US agriculture workings with the Organization for International Cooperation and Development.

Education

Ph. D., Agricultural Economics, Purdue University, December 1978

MS, Agricultural Economics, Purdue University, August 1976

BS, Statistics and Biometry, Cornell University, May 1974

Professional Accomplishments (recent)

1. Outstanding Performance Rating for FY16
2. US Delegate to the OECD, Working Party on Biotechnology, Nanotechnology, and Convergent Technology
3. For the past several years, I have been named to the Biofuels Digest list of Top 100 People in the Advanced Bioeconomy.

4. Award presented for service recognition by the Commercial Airline Alternative Fuel Initiative, October 2016
5. Technical Lead for USDA to the Defense Production Act Initiative with DOE and Navy.
6. Since 2006, I have received awards from the Economic Research Service (research), USDA (2008 Farm Bill Team), State Department (Planning Team Washington International Renewable Energy Conference), and Federal Aviation Administration (development of Feedstock Readiness Level Tool with 3 colleagues)

Publications and Papers (Recent)

I have published paper in peer reviewed journals, research reports, and papers/articles in popular press and blogs.

1. Co-author with 6 DOE colleagues, *An Assessment of the Potential Product and Economic And Environmental Impacts Resulting From a Billion Ton Bioeconomy, Biofuels, Bioproducts, and Biorefining*, November 2016
2. Contributing author to *2016 Billion-Ton Bioeconomy Report Advancing Domestic Resources for a Thriving Bioeconomy*, US DOE, July 2016
3. Contributing author *Federal Alternative Jet Fuels Research and Development Strategy*, Product of the Aeronautics and Technology Subcommittee, Committee on Technology of the National Science and Technology Council, June 2016
4. Contributing author *Federal Activities Report on the Bioeconomy*, a report released by the Biomass Research and Development Board, February 2016
5. Co-author with Iowa State and USDA colleagues, *2015 Energy Balance for the Corn-Ethanol Industry*, Office of the Chief Economist, Office of Energy Policy and New Uses, February 2016
7. Co-author with 3 academic colleagues, *Long-run and Short-run Co-movements in Energy Prices and the Prices of Agricultural Feedstocks for Biofuel*, **American Journal of Agricultural Economics**, 2014

Presentations

I am invited regularly to give presentation at profession and industry meetings, both domestic and international. A list can be provided if desired.