

Updating MAG-PLAN GOM and Assessing Applicability to the New Five-Year Program Areas

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The Bureau of Ocean Energy Management (BOEM) plays a key role in the United States' energy supply by managing the mineral resources on nearly 160 million acres in the Gulf of Mexico (GOM) Outer Continental Shelf (OCS) region. BOEM integrates environmental values into its decision-making processes. To support these analyses, BOEM (formerly known as the Minerals Management Service, or MMS) developed MAG-PLAN, a two-stage input-output model to estimate employment, personal income, and similar economic impacts from OCS activities.

This presentation outlines the work of Eastern Research Group, Inc. (ERG) on the 2016 MAG-PLAN update. The purpose of the update was to (1) improve the profile of industries and their contributions to offshore oil and gas activities in the GOM, (2) update and expand the methodology for distributing non-labor expenditures by sector from offshore oil and gas activities to onshore economic impact regions, (3) update and revise the BOEM-defined OSAs and their IMPLAN multipliers and onshore distributions, and (4) update the onshore distribution of labor earnings. As part of the same contract, ERG assessed the applicability of the MAG-PLAN model to the new five-year program areas. Much of this effort focused on tailoring the geographic distributions to accurately reflect economic impacts in the Atlantic OCS area.