

**BASIC ENERGY SCIENCES
MATERIALS SCIENCES**

III. Performance Summary- Accomplishments:	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>
-Research on the chemical properties of materials is conducted to understand the effects of chemical reactivity on the behavior of materials and to synthesize new chemical compounds and structures from which better materials can be made. This activity includes research in solid state chemistry, surface chemistry, polymer chemistry, crystallography, synthetic chemistry, and colloid chemistry. Capital equipment is required for items such as spectrometers, reflectometers, computer workstations for simulations and modeling, and instrumentation to study surfaces at the atomic scale.	23,963	22,592	22,663
-The Experimental Program to Stimulate Competitive Research (EPSCoR) provides financial assistance to states that historically have received relatively less Federal research funding. BES EPSCoR funding is consolidated in the Materials Sciences subprogram in FY 1998. FY 1996 and FY 1997 EPSCoR funding is also included in all other Basic Energy Sciences subprograms. The EPSCoR program was included in the BES program at the direction of Congress in FY 1996.	2,654	3,330	7,000

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EPSCoR DISTRIBUTION OF FUNDS BY STATE

(Dollars in thousands)

	<u>FY 1996</u> <u>Actual</u>	<u>FY 1997</u> <u>Estimate</u>	<u>FY 1998</u> <u>Estimate</u>
Alabama	\$900	\$725	\$725
Kentucky	\$925	\$725	\$725
Louisiana	\$900	\$725	\$725
Maine	\$925	\$725	\$725
Montana	\$950	\$725	\$725
Nevada	\$950	\$725	\$725
Puerto Rico	\$925	\$725	\$725
South Carolina	----	\$725	\$725
Wyoming	----	\$725	\$725
Other*	<u>\$525</u>	<u>\$475</u>	<u>\$475</u>
Totals	\$7,000**	\$7,000**	\$7,000

* Technical support of Experimental Program to Stimulate Competitive Research (EPSCoR).

** FY 1996 and FY 1997 EPSCoR funding is also included in all other Basic Energy Sciences subprograms.