AMENDMENT TO RULES COMMITTEE PRINT 118-10

OFFERED BY MR. RESCHENTHALER OF PENNSYLVANIA

At the end of subtitle D of title II, add the following new section:

SEC. 2. REPORT ON RESEARCH RELATING TO LIGHTWEIGHT ADVANCED CARBON MATERIALS.

(a) SENSE OF CONGRESS.—It is the sense of Congress that the Department of Defense should support development-stage research of lightweight advanced carbon materials such as coal-derived graphite and carbon foam for use in electromagnetic interference shielding, signature reduction, aerospace tooling, and other defense applications.

(b) REPORT.—No later than March 1, 2024, the Secretary of Defense shall submit to the congressional defense committees a report on any research efforts of the Department of Defense relating to the potential use of lightweight advanced carbon materials for defense applications. Such report shall include an explanation of any research demonstrating the potential use of coal-derived carbon foam as—
(1) a passive heat exchanger for jet blast diverters on aircraft carriers, electromagnetic interference shielding and signature reduction;

(2) aerospace tooling; and

(3) high-temperature insulation.