AMENDMENT TO RULES COMMITTEE PRINT 116–19

OFFERED BY MR. SOTO OF FLORIDA

At the end of subtitle B of title III, insert the following:

SEC. 3. SENSE OF CONGRESS RELATING TO THE USE OF EMERGING TECHNOLOGIES TO ADDRESS PFAS EXPOSURE.

It is the sense of Congress that—

(1) the Secretary of Defense should consider using emerging technologies, including quantum computing, to address exposure to per- and polyfluoroalkyl substances (in this section referred to as “PFAS”); and

(2) in considering such technologies, the Secretary should consider—

(A) the potential of the use of the unique attributes of hybrid quantum classical computing to address issues of chemical contamination, including exposure to PFAS;

(B) the potential of quantum computing to address problems of exposure and potential re-
mediation solutions, and to develop alternatives to materials containing PFAS;

(C) the existing and potential partnership opportunities with academic institutions, private sector technology and chemical companies, and other Federal and State government entities;

(D) the availability of current and near-term quantum computing resources, such as cloud based quantum systems, as well as a roadmap for long-term quantum development;

(E) the Department’s current quantum computing efforts, or other emerging technologies as the Secretary finds relevant; and

(F) the amount of funding that would be required to take initial steps to leverage near-term quantum computing, or other emerging technologies as the Secretary finds relevant, to address the PFAS problem.