

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:

1 **SEC. 3___ . SENSE OF CONGRESS RELATING TO THE USE OF**
2 **EMERGING TECHNOLOGIES TO ADDRESS**
3 **PFAS EXPOSURE.**

4 It is the sense of Congress that—

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

10 (2) in considering such technologies, the Sec-
11 retary should consider—

12 (A) the potential of the use of the unique
13 attributes of hybrid quantum classical com-
14 puting to address issues of chemical contamina-
15 tion, including exposure to PFAS;

16 (B) the potential of quantum computing to
17 address problems of exposure and potential re-

1 mediation solutions, and to develop alternatives
2 to materials containing PFAS;

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

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

11 (E) the Department's current quantum
12 computing efforts, or other emerging tech-
13 nologies as the Secretary finds relevant; and

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

