

AMENDMENT TO RULES COMMITTEE PRINT

118–42

OFFERED BY MR. BAIRD OF INDIANA

Page 65, after line 6, insert the following:

1 (c) GENERATION 3+ SMALL MODULAR REACTOR
2 DEFINED.—In this section, the term “Generation 3+
3 small modular reactor” means a nuclear fission reactor
4 that—

5 (1) uses light water as a coolant and low-en-
6 riched uranium (LEU) as a fuel;

7 (2) is included as part of a single or multiple
8 unit plant that has a power output of approximately
9 50-700 electrical megawatts;

10 (3) maximizes factory fabrication approaches;
11 and

12 (4) includes significant improvements compared
13 to reactors operating on December 27, 2020, includ-
14 ing improvements such as—

15 (A) additional inherent safety features;

16 (B) lower waste yields;

17 (C) improved fuel and material perform-
18 ance;

- 1 (D) increased tolerance to loss of fuel cool-
2 ing;
3 (E) enhanced reliability or improved resil-
4 ience;
5 (F) increased proliferation resistance;
6 (G) increased thermal efficiency;
7 (H) reduced consumption of cooling water
8 and other environmental impacts;
9 (I) the ability to integrate into electric ap-
10 plications and non-electric applications;
11 (J) modular sizes to allow for deployment
12 that corresponds with the demand for electricity
13 or process heat; and
14 (K) operational flexibility to respond to
15 changes in demand for electricity or process
16 heat and to complement integration with inter-
17 mittent renewable energy or energy storage.

