

117TH CONGRESS
1ST SESSION

H. R. 4353

To direct the Secretary of Energy to support research and development on extraction of uranium from seawater to reduce the dependence of the United States on imported uranium, illustrating that innovative technology for domestic extraction could be a more cost efficient and environmentally friendly alternative than traditional extraction methods, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

JULY 2, 2021

Mr. SCHWEIKERT introduced the following bill; which was referred to the
Committee on Science, Space, and Technology

A BILL

To direct the Secretary of Energy to support research and development on extraction of uranium from seawater to reduce the dependence of the United States on imported uranium, illustrating that innovative technology for domestic extraction could be a more cost efficient and environmentally friendly alternative than traditional extraction methods, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “Uranium Seawater Ex-
3 traction Research and Development Act”.

4 **SEC. 2. RESEARCH AND DEVELOPMENT.**

5 (a) IN GENERAL.—The Secretary of Energy shall—

6 (1) support research and development on the
7 scale-up, evaluation, and potential commercialization
8 of the technology for extraction of uranium from
9 seawater; and

10 (2) conduct demonstrations of such technology,
11 in collaboration with private sector industry, in order
12 to—

13 (A) further performance enhancement; and

14 (B) reduce costs.

15 (b) REPORT TO CONGRESS.—Not later than 1 year
16 after the date of enactment of this Act, the Secretary of
17 Energy, in coordination with the Secretary of Commerce
18 and the Secretary of Defense, shall submit a report to the
19 Committee on Science, Space, and Technology, the Com-
20 mittee on Energy and Commerce, and the Committee on
21 Armed Services of the House of Representatives, and the
22 Committee on the Environment and Public Works, the
23 Committee on Energy and Natural Resources, and the
24 Committee on Armed Services of the Senate on the tech-
25 nical and economic feasibility of uranium extraction from
26 seawater and potential barriers for the expansion of the

1 use of this technology for domestic uranium purposes, in-
2 cluding options for Federal-private partnerships for reduc-
3 ing costs and improving the efficiency of uranium sea-
4 water extraction.

5 (c) AUTHORIZATION OF APPROPRIATIONS.—There is
6 authorized to be appropriated \$2,000,000 dollars for each
7 of fiscal years 2021 through 2025 to carry out subsection
8 (a).

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