

118TH CONGRESS
2D SESSION

H. R. 4877

IN THE SENATE OF THE UNITED STATES

MAY 1, 2024

Received; read twice and referred to the Committee on Energy and Natural
Resources

AN ACT

To amend the Energy Policy Act of 2005 to direct the Secretary of Energy to carry out a research, development, and demonstration program with respect to abandoned wells, 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 “Abandoned Well Reme-
3 diation Research and Development Act”.

4 **SEC. 2. AMENDMENT TO THE ENERGY POLICY ACT OF 2005.**

5 (a) IN GENERAL.—The Energy Policy Act of 2005
6 is amended—

7 (1) by adding at the end of subtitle F of title
8 IX (42 U.S.C. 16291 et seq.) the following new sec-
9 tion:

10 **“SEC. 969E. ABANDONED WELLS RESEARCH, DEVELOP-**
11 **MENT, AND DEMONSTRATION PROGRAM.**

12 “(a) ESTABLISHMENT.—Not later than 120 days
13 after the date of the enactment of this section, the Sec-
14 retary of Energy shall, in coordination with relevant Fed-
15 eral and state agencies and entities, establish a research,
16 development, and demonstration program to improve—

17 “(1) data collection on the location of aban-
18 doned wells;

19 “(2) the plugging, remediation, reclamation,
20 and repurposing of abandoned wells; and

21 “(3) strategies to mitigate potential environ-
22 mental impacts of documented and undocumented
23 abandoned wells.

24 “(b) ACTIVITIES.—The research, development, and
25 demonstration under subsection (a) shall include activities
26 to improve—

1 “(1) remote sensor capabilities, LiDAR capa-
2 bilities, optical gas imaging, magnetic survey tech-
3 nology, and any other technologies relevant to the ef-
4 ficient identification of abandoned wells;

5 “(2) understanding of how certain parameters
6 of abandoned wells affect methane emission rates of
7 such wells, including parameters such as well age,
8 well depth, geology, construction, case material, and
9 geographic region;

10 “(3) the efficiency and cost-efficacy of processes
11 for plugging, remediating, reclaiming, and
12 repurposing abandoned wells, including—

13 “(A) improvement of processes and tech-
14 nologies for the unique challenges associated
15 with plugging remote abandoned wells;

16 “(B) use of low carbon, lightweight cement
17 or use of alternative materials and additives for
18 plugging purposes; and

19 “(C) repurposing of abandoned wells for
20 alternative uses, including geothermal power
21 production or carbon capture, utilization, and
22 storage; and

23 “(4) understanding of the impacts of aban-
24 doned wells on groundwater quality and contamina-
25 tion.

1 “(c) COORDINATION.—In carrying out the program
2 established under subsection (a), the Secretary shall en-
3 sure coordination of these activities with State and local
4 governments, institutions of higher education, the Depart-
5 ment of Energy National Laboratories, the private sector,
6 and impacted communities, including landowners within
7 such communities.

8 “(d) ABANDONED WELL DEFINED.—In this section,
9 the term ‘abandoned well’ means a well originally drilled
10 in connection with oil and gas operations that is not being
11 used, has not been plugged, and has no anticipated use
12 in oil and gas operations.

13 “(e) FUNDING.—There is authorized to be appro-
14 priated to the Secretary to carry out this section amounts
15 authorized pursuant to section 10771 of subtitle O of title
16 VI of the Research and Development, Competition, and
17 Innovation Act (enacted as division B of Public Law 117–
18 167), as follows:

19 “(1) For fiscal year 2024, \$30,000,000.

20 “(2) For fiscal year 2025, \$31,250,000.

21 “(3) For fiscal year 2026, \$32,500,000.

22 “(4) For fiscal year 2027, \$33,750,000.

23 “(5) For fiscal year 2028, \$35,000,000.

24 “(f) SUNSET.—This section shall terminate five years
25 after the date of the enactment of this section.”; and

1 (2) in the table of contents in section 1(b) (42
2 U.S.C. 15801 note), by inserting after the matter
3 relating to section 969D the following new item:

“Sec. 969E. Abandoned wells research, development, and demonstration program.”.

4 (b) CONFORMING AMENDMENT.—Paragraph (6) of
5 section 10771 of subtitle O of title VI of the Research
6 and Development, Competition, and Innovation Act (en-
7 acted as division B of Public Law 117–167) is amended—

8 (1) in the matter preceding subparagraph (A),
9 by striking “2026” and inserting “2028”;

10 (2) in subparagraph (A), by striking
11 “\$600,000,000” and inserting “\$507,500,000”;

12 (3) in subparagraph (B), by striking “and”
13 after the semicolon;

14 (4) in subparagraph (C)—

15 (A) by striking “\$1,000,000,000” and in-
16 serting “\$930,000,000”; and

17 (B) by striking the period and inserting “;
18 and”; and

19 (5) by adding at the end the following new sub-
20 paragraph:

21 “(D) \$162,500,000 to carry out abandoned
22 wells research, development, and demonstration
23 activities under section 969E of the Energy

1 Policy Act of 2005, in accordance with such
2 section.”.

Passed the House of Representatives April 30, 2024.

Attest: KEVIN F. MCCUMBER,
Clerk.