

116TH CONGRESS
2D SESSION

S. 3382

To require the National Institute of Standards and Technology to establish a premise plumbing research laboratory, and for other purposes.

IN THE SENATE OF THE UNITED STATES

MARCH 3, 2020

Ms. DUCKWORTH introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

A BILL

To require the National Institute of Standards and Technology to establish a premise plumbing research laboratory, 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,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “NIST Plumbing Re-
5 search Act of 2020”.

6 **SEC. 2. PREMISE PLUMBING RESEARCH.**

7 (a) PREMISE PLUMBING DEFINED.—In this Act, the
8 term “premise plumbing” means the water distribution
9 system located within the property lines of a property, in-
10 cluding all buildings and permanent structures on such

1 property. Such term includes building supply and distribu-
2 tion pipes, fixtures, fittings, water heaters, water-treating
3 and water-using equipment, and all respective joints, con-
4 nections, devices, and appurtenances.

5 (b) RESEARCH.—Not later than 1 year after the date
6 of the enactment of this Act, the Director of the National
7 Institute of Standards and Technology shall—

8 (1) establish or designate a laboratory to con-
9 duct research on premise plumbing in relation to
10 water safety, security, efficiency, sustainability, and
11 resilience;

12 (2) conduct an organizational review of all re-
13 search and other activities related to premise plumb-
14 ing conducted by Federal entities; and

15 (3) appoint 1 or more officers or employees of
16 the Institute to liaise with non-Federal entities con-
17 ducting research or other activities related to
18 premise plumbing.

19 (c) QUADRENNIAL REPORTS.—Not later than 4 years
20 after the date of the enactment of this Act and not less
21 frequently than once every 4 years thereafter, the Director
22 shall submit to Congress a report on the progress made
23 by the Institute regarding—

1 (1) the status of the laboratory described in
2 subsection (b)(1), including any staff designated to
3 work in such laboratory;

4 (2) all projects of the Institute related to
5 premise plumbing, including completed projects,
6 projects in progress, and projects planned for the fu-
7 ture;

8 (3) updates to data relevant to premise plumb-
9 ing system structure, design, and construction; and

10 (4) any progress of private organizations in up-
11 dating premise plumbing standards.

12 (d) AUTHORIZATION OF APPROPRIATIONS.—There
13 are authorized to be appropriated to the National Institute
14 of Standards and Technology such sums as may be nec-
15 essary to carry out this section.

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