

**AMENDMENT TO**  
**RULES COMMITTEE PRINT 116-54**  
**OFFERED BY MR. ROUDA OF CALIFORNIA**

Page 1464, after line 17, insert the following:

1           **Subtitle C—Other Matters**

2   **SEC. 33105. SMART WATER INFRASTRUCTURE TECH-**  
3                   **NOLOGY.**

4           (a) **POLICY.**—It is the policy of the United States to  
5 support the modernization of the Nation’s drinking water  
6 infrastructure and management systems to maintain reli-  
7 able, resilient, and affordable drinking water infrastruc-  
8 ture and ensure the protection of public health.

9           (b) **SMART WATER INFRASTRUCTURE TECHNOLOGY**  
10 **GRANTS.**—Section 1452 of the Safe Drinking Water Act  
11 (42 U.S.C. 300j–12) is amended by adding at the end the  
12 following:

13           “(u) **SMART WATER INFRASTRUCTURE TECH-**  
14 **NOLOGY.**—

15                   “(1) **GRANTS TO COMMUNITY WATER SYS-**  
16 **TEMS.**—The Administrator shall make direct grants  
17 to community water systems for the purpose of plan-  
18 ning, design, construction, and operations training  
19 of the following:

1           “(A) Smart water network technologies  
2           that—

3                   “(i) can identify water losses from  
4                   conveyance facilities in a nondestructive or  
5                   disruptive manner, including acoustic data  
6                   collection; and

7                   “(ii) provide comprehensive data on  
8                   pipeline integrity that documents the pres-  
9                   ence of leaks or gas pockets and provides  
10                  information on the extent of such leaks or  
11                  gas pockets, with an emphasis on pipe bar-  
12                  rel, pipe joint, or other pipe features.

13           “(B) Real-time sensing technologies, in-  
14           cluding the use of advanced analytics, that de-  
15           tect and alert operators to leakages and pipeline  
16           bursts on a real-time basis, including persistent  
17           sensor networks capable of measuring—

18                   “(i) acoustic signals;

19                   “(ii) pressure transient; or

20                   “(iii) water quality.

21           “(C) Real-time decision support that inte-  
22           grates sources of data about water distribution  
23           networks to deliver common operations informa-  
24           tion relying upon data analytics that can im-  
25           prove operational decision-making, including

1 non-revenue water loss, energy optimization,  
2 and water quality improvement.

3 “(D) Advanced metering infrastructure, in-  
4 cluding meter data analytics and ratepayer  
5 technology to improve end user conservation  
6 and in support of disadvantaged communities.

7 “(E) Resilient water supply projects that  
8 may provide real-time monitoring of weather  
9 patterns and impacts upon water supply and  
10 flood protection reservoirs and dams that en-  
11 hance operations, including—

12 “(i) improved water supply reliability  
13 and management;

14 “(ii) protection of natural resources,  
15 including fisheries; and

16 “(iii) temperature control.

17 “(F) Innovative and alternative water sup-  
18 ply storage projects, including groundwater  
19 banking, that rely upon real-time data acquisi-  
20 tion to support predictive aquifer recharge  
21 through water reuse and stormwater manage-  
22 ment capabilities.

23 “(2) RURAL COMMUNITIES SET-ASIDE.—Of  
24 amounts appropriated pursuant to paragraph (8),  
25 the Administrator shall use not more than 20 per-

1 cent to make grants to communities with popu-  
2 lations not greater than 10,000.

3 “(3) COST-SHARE.—The non-Federal share of  
4 the costs of an activity carried out using a grant  
5 under paragraph (1) shall be 25 percent.

6 “(4) EXCEPTION.—The Administrator may  
7 waive the cost-share requirement of paragraph (3) if  
8 the Administrator determines such cost-share would  
9 be financially unreasonable due to a community’s  
10 ability to comply with such cost-share requirement.

11 “(5) PROGRAM IMPLEMENTATION.—

12 “(A) GUIDANCE.—Not later than 30 days  
13 after the date of enactment of this subsection,  
14 the Administrator shall issue guidance to com-  
15 munity water systems on how to apply for a  
16 grant under paragraph (1).

17 “(B) DECISION ON APPLICATIONS.—The  
18 Administrator shall make a determination of  
19 whether to make a grant to an applicant within  
20 30 days of receipt of an application. In the case  
21 that the Administrator determines an applica-  
22 tion is deficient, the applicant shall be advised  
23 of any such deficiencies and provided the oppor-  
24 tunity to resubmit the application.

1           “(C) DISBURSEMENT.—A grant shall be  
2           made not later than sixty days after the date on  
3           which the Administrator approves an applica-  
4           tion.

5           “(6) COMPLIANCE WITH BUY AMERICA.—The  
6           requirements of subsection (a)(4) shall apply to  
7           funds granted under this subsection.

8           “(7) REPORT TO CONGRESS.—Not later than  
9           180 days after the date of enactment of this sub-  
10          section, and annually thereafter, the Administrator  
11          shall submit to Congress a report describing projects  
12          funded under this subsection, results in improving  
13          the resiliency of drinking water systems, and rec-  
14          ommendations to improve the achievement of the  
15          program’s policy. For purposes of the first report to  
16          Congress, the Administrator shall report on the pro-  
17          gram’s implementation, including a description of  
18          projects approved and those disapproved. In pro-  
19          viding such information, the Administrator shall de-  
20          tail the reasons that a project was not awarded as-  
21          sistance.

22          “(8) AUTHORIZATION OF APPROPRIATIONS.—  
23          There is authorized to be appropriated

- 1 \$500,000,000 to carry out this subsection, to remain
- 2 available until expended.”.

