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

Page 1464, after line 17, insert the following:

Subtitle C—Other Matters

SEC. 33105. SMART WATER INFRASTRUCTURE TECHNOLOGY.

(a) POLICY.—It is the policy of the United States to support the modernization of the Nation’s drinking water infrastructure and management systems to maintain reliable, resilient, and affordable drinking water infrastructure and ensure the protection of public health.

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

“(u) SMART WATER INFRASTRUCTURE TECHNOLOGY.—

“(1) GRANTS TO COMMUNITY WATER SYSTEMS.—The Administrator shall make direct grants to community water systems for the purpose of planning, design, construction, and operations training of the following:
“(A) Smart water network technologies that—

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

“(ii) provide comprehensive data on pipeline integrity that documents the presence of leaks or gas pockets and provides information on the extent of such leaks or gas pockets, with an emphasis on pipe barrel, pipe joint, or other pipe features.

“(B) Real-time sensing technologies, including the use of advanced analytics, that detect and alert operators to leakages and pipeline bursts on a real-time basis, including persistent sensor networks capable of measuring—

“(i) acoustic signals;

“(ii) pressure transient; or

“(iii) water quality.

“(C) Real-time decision support that integrates sources of data about water distribution networks to deliver common operations information relying upon data analytics that can improve operational decision-making, including
non-revenue water loss, energy optimization, and water quality improvement.

“(D) Advanced metering infrastructure, including meter data analytics and ratepayer technology to improve end user conservation and in support of disadvantaged communities.

“(E) Resilient water supply projects that may provide real-time monitoring of weather patterns and impacts upon water supply and flood protection reservoirs and dams that enhance operations, including—

“(i) improved water supply reliability and management;

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

“(iii) temperature control.

“(F) Innovative and alternative water supply storage projects, including groundwater banking, that rely upon real-time data acquisition to support predictive aquifer recharge through water reuse and stormwater management capabilities.

“(2) RURAL COMMUNITIES SET-ASIDE.—Of amounts appropriated pursuant to paragraph (8), the Administrator shall use not more than 20 per-
cent to make grants to communities with populations not greater than 10,000.

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

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

“(5) PROGRAM IMPLEMENTATION.—

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

“(B) DECISION ON APPLICATIONS.—The Administrator shall make a determination of whether to make a grant to an applicant within 30 days of receipt of an application. In the case that the Administrator determines an application is deficient, the applicant shall be advised of any such deficiencies and provided the opportunity to resubmit the application.
“(C) Disbursement.—A grant shall be made not later than sixty days after the date on which the Administrator approves an application.

“(6) Compliance with Buy America.—The requirements of subsection (a)(4) shall apply to funds granted under this subsection.

“(7) Report to Congress.—Not later than 180 days after the date of enactment of this subsection, and annually thereafter, the Administrator shall submit to Congress a report describing projects funded under this subsection, results in improving the resiliency of drinking water systems, and recommendations to improve the achievement of the program’s policy. For purposes of the first report to Congress, the Administrator shall report on the program’s implementation, including a description of projects approved and those disapproved. In providing such information, the Administrator shall detail the reasons that a project was not awarded assistance.

“(8) Authorization of Appropriations.—There is authorized to be appropriated
$500,000,000 to carry out this subsection, to remain available until expended.”.