AMENDMENT TO RULES COMMITTEE PRINT 117-9
OFFERED BY MR. GALLEGO OF ARIZONA

Page 1551, after line 14, insert the following:

SEC. 13106. SMART WATER INFRASTRUCTURE TECHNOLOGY.

Section 1452(k)(1) of the Safe Drinking Water Act (42 U.S.C. 300j–12(k)(1)) is amended by adding at the end the following:

"(E) Provide assistance, only in the form of a loan, to any community water system for the planning, design, and construction of, and operations training relating to, the following:

"(i) Smart water network technologies that—

"(I) can identify water losses from conveyance facilities in a non-destructive or disruptive manner, including through the use of acoustic data collection; and

"(II) provide comprehensive data on pipe 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.

''(ii) 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.

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

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

''(v) Resilient water supply projects that provide real-time monitoring of weather patterns and impacts upon water supply and flood protection reservoirs and dams to enhance operations of such reservoirs and dams, including—

''(I) improved water supply reliability and management;

''(II) protection of natural resources, including fisheries; and

''(III) temperature control.

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

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