

Report to Congress for Future Water Resources Development (WRRDA 7001) Submission Package

Proposal Name: Arizona Environmental Infrastructure

Submission Date: 08/27/2019

Proposal ID Number: 8dc97438-84d9-4e2d-b2e2-586f72b1e3cf

Purpose of Proposal: The programmatic modification would amend the section 595 environmental infrastructure program to include the state of Arizona. Arizona is currently the only state in the southwestern region of the U.S. not included in this program. In its most recent annual infrastructure report card, the American Society of Civil Engineers (ASCE) rated drinking water and wastewater systems in Arizona a grade of C- and C respectively. According to the ASCE, over the next 20 years, Arizona will have \$9.13 billion in drinking water and \$6.77 billion in wastewater infrastructure needs. Of the \$9.13 billion in drinking water infrastructure needs in Arizona, the Environmental Protection Agency's 6th Drinking Water Infrastructure Needs Survey and Assessment notes that systems in Arizona serving 10,000 or fewer people have \$1.6 billion in needs, the majority of which is attributable to transmission and distribution. To help address these infrastructure challenges, additional federal investments are needed, particularly in small and rural communities that lack the financial resources to do the necessary repairs and replacement. The modification would allow for communities across the state of Arizona to address their aging water and wastewater systems by allowing them to improve their systems before performance and reliability are compromised while at the same time hardening them to mitigate the impacts of climate change and future disasters, including drought. In order to protect public health and the environment while at the same time ensuring drinking water is reliably available and delivered throughout the state, it is vital these water systems be maintained, upgraded, and in some cases replaced or constructed new, to meet current and future demand. Since this approach focuses on needs across the state, it allows for flexibility to meet changing needs, the ability to assist with multiple projects, and establishes a process for identifying specific projects to be funded.

1. Administrative Details

Proposal Name: Arizona Environmental Infrastructure

by Agency: Congressman Greg Stanton

Locations: AZ

POC Name:

POC Phone:

POC Email:

Date Submitted: 08/27/2019

Confirmation Number: 8dc97438-84d9-4e2d-b2e2-586f72b1e3cf

Supporting Documents

File Name	Date Uploaded
Rural Water Association of Arizona support ltr.pdf	08/27/2019
2019 - 04 - AZ Water Association support for Environmental Infrastructure Assistance Act.pdf	08/27/2019
ASCE AZ section support letter.pdf	08/27/2019
Flagstaff Mayor Evans support ltr.pdf	08/27/2019
Maricopa letter of support.pdf	08/27/2019
Phoenix letter of support.pdf	08/27/2019
Tempe letter of support.pdf	08/27/2019
Buckeye letter of support.pdf	08/27/2019

2. Provide the name of the primary sponsor and all non-Federal interests that have contributed or are expected to contribute toward the non-Federal share of the proposed feasibility study or modification.

Sponsor	Letter of Support
City of Buckeye(Primary)	The community of Buckeye is one of the fastest growing cities in the country and we face significant costs to maintain and update our infrastructure to provide a reliable supply of water for residents and businesses. With over 400 miles of water lines, 20 booster stations, 35 wells and 25 reservoirs, 270 miles of sewer line and three lift stations, the city has a vast network to maintain to ensure water is delivered. Federal assistance is critical to helping us not only maintain but also update our infrastructure to meet our growing needs. For these reasons, we strongly support modification to the existing section 595 program to add Arizona which is the only state in the southwest U.S. that doesn't have this statewide authority.

3. State if this proposal is for new feasibility study authority, a modification to an existing feasibility study authority, a modification to an existing USACE project authority, or a modification to an existing USACE Environmental Infrastructure Program authority. If it is a proposal for a modification to an existing study, project or program authority, provide the authorized water resources development feasibility study or project name.

[x] Modification to a USACE Environmental Infrastructure Program Authority

Environmental Infrastructure Program Authority Name:

Rural Western Water (Section 595)

Description of assistance provided to date:

Assistance for environmental infrastructure projects has been provided to multiple states, including Idaho, Montana, Nevada, New Mexico, Utah and Wyoming

Total Federal cost of assistance provided to date:

\$380,082,204

4. Clearly articulate the specific project purpose(s) of the proposed study or modification. Demonstrate that the proposal is related to USACE mission and authorities and specifically address why additional or new authorization is needed.

The programmatic modification would amend the section 595 environmental infrastructure program to include the state of Arizona. Arizona is currently the only state in the southwestern region of the U.S. not included in this program. In its most recent annual infrastructure report card, the American Society of Civil Engineers (ASCE) rated drinking water and wastewater systems in Arizona a grade of C- and C respectively. According to the ASCE, over the next 20 years, Arizona will have \$9.13 billion in drinking water and \$6.77 billion in wastewater infrastructure needs. Of the \$9.13 billion in drinking water infrastructure needs in Arizona, the Environmental Protection Agency's 6th Drinking Water Infrastructure Needs Survey and Assessment notes that systems in Arizona serving 10,000 or fewer people have \$1.6 billion in needs, the majority of which is attributable to transmission and distribution. To help address these infrastructure challenges, additional federal investments are needed, particularly in small and rural communities that lack the financial resources to do the necessary repairs and replacement. The modification would allow for communities across the state of Arizona to address their aging water and wastewater systems by allowing them to improve their systems before performance and reliability are compromised while at the same time hardening them to mitigate the impacts of climate change and future disasters, including drought. In order to protect public health and the environment while at the same time ensuring drinking water is reliably available and delivered throughout the state, it is vital these water systems be maintained, upgraded, and in some cases replaced or constructed new, to meet current and future demand. Since this approach focuses on needs across the state, it allows for flexibility to meet changing needs, the ability to assist with multiple projects, and establishes a process for identifying specific projects to be funded.

5. To the extent practicable, provide an estimate of the total cost, and the Federal and non-Federal share of those costs, of the proposed study and, separately, an estimate of the cost of construction or modification.

	Federal	Non-Federal	Total
Study	\$0	\$0	\$0
Construction	\$150,000,000	\$37,500,000	\$187,500,000

Explanation (if necessary)

The proposed modification would increase the authorization level for Section 595, Western Rural Water Environmental Infrastructure, by \$150 million to add the state of Arizona to the program.

6. To the extent practicable, describe the anticipated monetary and nonmonetary benefits of the proposal including benefits to the protection of human life and property; improvement to transportation; the national economy; the environment; or the national security interests of the United States.

Keeping our nation's water infrastructure in a state of good repair strengthens our economy. According to analysis from the Chamber of Commerce, every \$1 invested in improving our water infrastructure generates \$6 in returns, and every job created in the water sector supports the creation of another 3.68 jobs. A recent study by the Value of Water Campaign noted that if water service was disrupted for just one day, it would result in a loss of \$43.5 billion in sales and a \$22.5 billion loss in the national gross domestic product. The vast majority of Arizona's population lives in the desert, which receives a statewide average rainfall of only 12.6 inches per year, making Arizona the second driest state in the nation. Access to a safe and adequate water supply throughout the state is critical to the quality of life of current residents and to future economic growth and success. Municipal use is the second highest use of water in the state of Arizona. With the state's growing population, demand for water is projected to increase to more than 2 million acre-feet. Of the \$9.13 billion in drinking water infrastructure needs in Arizona, the Environmental Protection Agency's 6th Drinking Water Infrastructure Needs Survey and Assessment notes that systems in Arizona serving 10,000 or fewer people have \$1.6 billion in needs, the majority of which is attributable to transmission and distribution. Presently, over 2,600 of drinking water transmission and distribution mains need to be rehabilitated or replaced across the state and the need only continues to grow. The proposal would provide access to federal resources to ensure communities across the state can take proactive measures to protect and provide safe reliable drinking water and wastewater systems to meet current and future demands. These investments will protect human health, prevent disruptions in service, and protect the environment and our waterways from contaminants.

7. Does local support exist? If 'Yes', describe the local support for the proposal.

Yes

Local Support Description

There is widespread support throughout the state of Arizona for modification of this environmental infrastructure authority to allow communities across the state to participate in this program. The proposal is supported by the Arizona Water Association, the Rural Water Association of Arizona, the American Society of Civil Engineers-AZ section, and numerous communities across the state, including: Phoenix, Tempe, Flagstaff, Maricopa, and Buckeye.

8. Does the primary sponsor named in (2.) above have the financial ability to provide for the required cost share?

Yes

Additional Proposal Information

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Rural Water Association of Arizona support ltr.pdf



**Rural Water Association
of Arizona**
879 N. Plaza Drive, Suite A101
Apache Junction, Arizona 85120
480-982-0301



The Rural Water Association of Arizona, the largest community-based water and waste water utility organization in the State, praises Representative Greg Stanton’s Environmental Infrastructure Assistance Act which would authorize an environmental infrastructure program specifically for Arizona. “Arizona’s Small and rural communities have the very important responsibility of complying with all applicable federal regulations and for supplying the public with safe drinking water and sanitation every second of every day,” said Jason Long, Executive Director of RWAA which represents over 250 systems across the state. “Communities that have been waiting for additional, affordable resources to address water infrastructure needs would be able to move forward with the enactment of this new law. RWAA looks forward to working in close consultation with USACE and other federal government and industry partners to maximize the impact of these additional funds to address small and rural community water infrastructure needs.”

Jason Long

Executive Director

Rural Water Association of Arizona

Additional Proposal Information

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**2019 - 04 - AZ Water Association support for Environmental
Infrastructure Assistance Act.pdf**



April 8, 2019
The Honorable Greg Stanton
U.S. House of Representatives
Washington, D.C. 20515

Dear Representative Stanton:

On behalf of the undersigned organizations, we wish to express our strong support for the proposed legislation, the "Environmental Infrastructure Assistance Act," legislation you will introduce Tuesday, April 9, 2019 to authorize \$150 million through the U.S. Army Corps of Engineers (USACE) for an environmental infrastructure program for Arizona.

The AZ Water Association membership includes individuals from large municipalities to small water and sanitary districts, environmental scientist, Arizona regulators, design professionals and contractors. Our cities and rural areas are facing issues associated with procuring and maintaining adequate water supplies, aging infrastructure maintenance, rehabilitation and replacement. This legislation provides funds to begin to address our cities' and other providers' infrastructure issues. It is good for the environment and our state's public health. Arizona Water Association advocates for investments in water supplies and water related infrastructure, and we support this Bill.

The legislation also specifically recognizes the needs of small and rural communities, who have historically faced the most significant challenges procuring new water supplies and planning for their future, by providing a generous federal to local funding match. Providing a dedicated source of funds for Arizona projects guarantees a level of funding certainty.

Thank you for your leadership on this issue.

Sincerely,

Lisa A. Jackson

Lisa A. Jackson, PE
President - AZ Water Association

Arizona Section - American Water Works Association
Arizona Member Association - Water Environment Federation
AZ Water Association

Additional Proposal Information

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ASCE AZ section support letter.pdf

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REGION 8 GOVERNORS

Larry Magura, Oregon Section

To Whom It May Concern:

At ASCE, we believe that infrastructure investments should be prioritized based on their critical benefits to the economy, public safety, and quality of life, while also planning for the costs of building, operating, and maintaining the infrastructure for its entire life.

Those of us living in Arizona are keenly aware of the challenges we face in the desert. Funding our infrastructure now is critically important to ensuring that our community thrives today and in the future.

The Arizona Section of ASCE applauds and supports H.R. 2206 as a means to improve safety and quality of life for Arizona residents through infrastructure funding. Ensuring that Arizona communities receive these funds timely and efficiently is the next step, along with ensuring that funds are available for future maintenance costs.

Thank you to Congressman Stanton for introducing this bill and recognizing the importance of infrastructure funding in Arizona.

Regards,

Ted Smithwick, PE

President, Arizona Section of ASCE

Additional Proposal Information

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Flagstaff Mayor Evans support ltr.pdf



City of Flagstaff

June 25, 2019

The Honorable Greg Stanton
128 Cannon House Office Building
Washington, DC 20515

Dear Congressman Stanton,

I am writing to express my strong support for a bill that you recently introduced H.R.2206 - Environmental Infrastructure Assistant Act.

As an arid desert state, water in Arizona is vital to our nation's growth and economy. It is necessary for our country and the federal government to make more significant investments in drinking water and wastewater infrastructure to protect this critical resource, and H.R.2206 is an essential first step in the right direction.

With your bill providing \$150 million extra dollars in environmental infrastructure assistance, the City of Flagstaff in partnership with the U.S. Army Corps of Engineers (USACE) would be able to make additional investments in wastewater treatment, sewer overflow, water supply storage facilities, and other related projects. For these reasons I actively support your legislation.

In conclusion, I appreciate your leadership and introduction of H.R.2206, and I look forward to working with you to push this legislation into law.

Sincerely,

Coral J Evans
Mayor
City of Flagstaff



Additional Proposal Information

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Maricopa letter of support.pdf

OFFICE OF THE MAYOR

June 24, 2019

The Honorable Greg Stanton
128 Cannon House Office Building
Washington, DC 20515

Dear Congressman Stanton,

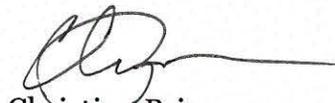
I am writing to express my strong support H.R. 2206, The Environmental Infrastructure Assistant Act, that you recently introduced.

As you know, water in Arizona is vital to the state's growth and economy. As an arid desert state, it is necessary for the state and federal government to make greater investments in drinking water and wastewater infrastructure to protect this critical resource and H.R. 2206 is an important first step in doing that.

With H.R. 2206 providing another \$150 million in environmental infrastructure assistance, the U.S. Army Corps of Engineers (USACE), in partnership with local sponsors, would be able to make additional investments in wastewater treatment and related facilities, sewer overflow, water supply storage facilities, and others projects as needed. For these reasons, we strongly support this legislation.

In conclusion, we appreciate your leadership and introduction of H.R. 2206 and we look forward to working with you to push this legislation into law.

Sincerely,



Christian Price
Mayor



Additional Proposal Information

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Phoenix letter of support.pdf



City of Phoenix

OFFICE OF THE MAYOR

June 17, 2019

Congressman Greg Stanton
128 Cannon House Office Building
Washington, DC 20515

RE: Support for Environmental Infrastructure Assistance Act (H.R. 2206)

Congressman Stanton,

As Mayor of the City of Phoenix, I am writing you today in support of your Environmental Infrastructure Assistance Act. As you know, we are in desperate need of a solution to address a multitude of water infrastructure challenges, and the potential for additional federal investment is of paramount importance to the City.

Drinking water and wastewater systems in the state of Arizona receive a grade of C- and C respectively from the American Society of Civil Engineers (ASCE). While this is a slightly better ranking than many other jurisdictions, these grades are unacceptable and unsustainable.

With the Environmental Infrastructure Assistance Act, the City of Phoenix would be better equipped to address projects to improve our water-related environmental infrastructure. These projects could potentially address: wastewater treatment and related facilities, sewer overflow; water supply, storage, treatment and related facilities; surface water resource protection and development; and environmental restoration, including the Rio Salado project.

Phoenix Water is almost entirely dependent on surface water supplies from the Salt, Verde, and Colorado Rivers, and has an extremely limited well field that is inadequate to meet demands during the deepest shortages on the Colorado River. While Phoenix Water has developed innovative agreements with the City of Tucson and Salt River Project that allow Phoenix to leverage their respective well fields during shortages, Phoenix remains vulnerable; a situation that is intolerable for the utility that provides the foundation of public health, economic opportunity, and quality of life for 1,600,000 people in the middle of the Sonoran Desert.

Phoenix Water is enhancing its well field and proposing to build a large transmission main that allows Phoenix to more easily move recovered surface water from Salt River Project's well fields to portions of Phoenix's service territory that are served by Colorado River supplies. These infrastructure projects will cost over \$400 million and this legislation can help the City complete these critical projects to provide additional redundancy during times of deep shortages on the Colorado River.

Thank you for your attention to this important issue. We look forward to working with you in support of this legislation.

June 21, 2019
Page 2

Sincerely,

A handwritten signature in dark ink that reads "Kate Gallego". The signature is written in a cursive style with a large initial "K" and a long, sweeping tail on the "o".

Kate Gallego
Mayor

Additional Proposal Information

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Tempe letter of support.pdf



July 18, 2019

City of Tempe
P.O. Box 5002
31 East Fifth Street
Tempe, AZ 85280
480-350-8225

The Honorable Greg Stanton
Representative
U.S. House of Representatives
128 Cannon HOB
Washington, DC 20515

RE: Support for Environmental Infrastructure Assistance Act (H.R. 2206)

Mark W. Mitchell
Mayor

Dear Representative Stanton,

Lauren Kuby
Vice-Mayor

The City of Tempe, like many other Arizona cities, is the steward of both its water resources and water/wastewater infrastructure. As a desert city, Tempe is faced with many challenges that need creative and potentially costly solutions. The potential for assistance through the Environmental Infrastructure Assistance Act (H.R. 2206) would be highly advantageous to the city and its residents in ensuring safe, reliable water now and long into the future.

Jennifer Adams
Councilmember

Robin Arredondo-Savage
Councilmember

Arlene Chin
Councilmember

The City of Tempe receives its water supply from the following sources: Salt and Verde Rivers through the Salt River Project (SRP) system, the Colorado River through the Central Arizona Project (CAP) system, and groundwater from wells throughout the city. This portfolio allows Tempe flexibility in providing water to customers; however, also requires significant infrastructure needs for treatment and delivery as well as redundancy to plan for drought and shortage conditions. The City of Tempe must consider conditions and upgrades to water treatment facilities, emerging and costly water quality treatment technology potential, aging distribution piping and sewer collection systems assessment and replacement, well field upgrades and additions, and options to develop infrastructure for putting reclaimed water to new beneficial use for future supply needs.

Joel Navarro
Councilmember

Randy Keating
Councilmember

The City of Tempe has designated \$260 million in its current 5-year Capital Improvement Program (CIP) for water and wastewater improvements to treat and deliver water and collect and treat wastewater to meet the needs of its customers. This plan includes the addition of well capacity to augment supplies in times of surface water shortages, which is imperative for planning.

Pipeline replacement is a challenge facing all cities as systems age and is addressed in the city's CIP. The pipeline replacement program and water treatment plant improvements will need to be assessed to meet infrastructure reliability and water quality regulations.

Additional infrastructure plans include security improvements to ensure continuity of operations and meet Homeland Security requirements and data system monitoring upgrades. In order to meet

environmental regulations and the ability to supplement supply through the use of reclaimed water, improvements to local and regional wastewater treatment plants are necessary.

Water is one of the most important resources that has and will continue to make communities thrive. Strategic and ample investment in infrastructure projects is necessary to ensure Tempe's ability to meet the community's water needs. This will enable Tempe to build on its tradition of being an innovative and sustainable community.

Thank you for your commitment to the state and its long tradition of responsible water planning. The City of Tempe is in support of the Environmental Infrastructure Assistance Act and is excited at the possibility of working with you and others in this task.

Sincerely,

A handwritten signature in blue ink that reads "Mark W. Mitchell". The signature is written in a cursive style with a small registered trademark symbol at the end.

Mark W. Mitchell, Mayor
City of Tempe

Primary Sponsor Letter of Support

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Buckeye letter of support.pdf

August 27, 2019

Re: Water Resources Development Act – Arizona & Section 595

To Whom It May Concern:

Water in Arizona is a precious commodity and is vital to the state's growth and economy. As an arid desert state, it is necessary for the state and federal government to make greater investments in drinking water and wastewater infrastructure to protect this critical resource and modification to the existing 595 program is an important first step in doing that.

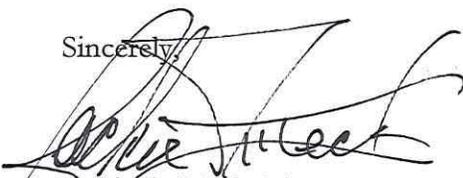
This proposal to add \$150 million in environmental infrastructure assistance, would ensure the U.S. Army Corps of Engineers, in partnership with us and other local sponsors, are able to make additional investments in wastewater treatment and related facilities, sewer overflow, water supply storage facilities, and others projects as needed.

The community of Buckeye is one of the fastest growing cities in the country and we face significant costs to maintain and update our infrastructure to provide a reliable supply of water for residents and businesses.

With over 400 miles of water lines, 20 booster stations, 35 wells and 25 reservoirs, 270 miles of sewer line and three lift stations, the city has a vast network to maintain to ensure water is delivered. Federal assistance is critical to helping us not only maintain but also update our infrastructure to meet our growing needs.

For these reasons, we strongly support modification to the existing section 595 program to add Arizona which is the only state in the southwest U.S. that doesn't have this statewide authority.

Sincerely,



Jackie A. Meck, Mayor
City of Buckeye