

Audube	on
Talk Outline	
What is an "environmental flow"?	-
Examples of what has New Mexico done to develop tools for environmental flows	
What are critical considerations for New Mexico in keeping our rivers alive and beautiful?	-
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"Environmental flows" means	Audubon
Understanding the water needs (science) Quantity, timing and quality of water flows nee sustain freshwater ecosystems. or bare bone water needs to keep our rivers and beautiful.	
Protecting the resource (legal-management Protection of river needs through legal, social, management and restoration mechanisms.	t)
Benefits nature and people: NM rivers: healthy waterways NM economy: outdoor recreation and tourism NM communities NM farmers and compacts	3







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Healthy Rivers Mean a Healthy New Mexico Acting Now Can Save the State's Economy, Homes, and Birds

In New Mexico, rivers are the ribbons of life for our land, culture, economy, and our way of life. Healthy river ecosystems safeguard water quality, protect the groundwater supply that 90% of New Mexican's use as their primary source of drinking water, reduce fire risk, and provide critical habitat. Healthy river ecosystems are also part of our state's cultural heritage, agricultural economy and a billion dollar per year recreation industry.

The Climate Crisis and New Mexico's Rivers

Communities, economies, and natural systems function more efficiently when rivers are clean and ecologically robust. From flood control to groundwater storage to downstream water delivery, healthy rivers keep water resources in balance. In turn, healthy rivers are beautiful rivers and **are crucial to New Mexico's** ecotourism economy. But climate change, drought, increasing demand for water, failing infrastructure, and outdated water rights laws are pushing water supplies to their limits. Assuring that rivers can be resilient in the face of these stressors



Rio Grande near Belen, New Mexico. Photo: Quantina Martine/Audubon New Mexico

requires prioritizing healthy rivers through programs and activities that provide water to rivers during drought while providing assurances and incentives to property owners. 4,500 different species of plants and animals live in New Mexico

6,500 miles of perennial streams making healthy rivers a key component to the state's strategy for conserving biodiversity

80%

of New Mexico's at-risk species depend upon the riparian or aquatic habitat on these stream systems at some time in their life cycle

New Mexico Average Temperature



Nearly 400 Bird Species Rely on New Mexico Waterways



Yellow-billed Cuckoo Photo: Kevin Jordan/Great Backyard Bird Count



Yellow-breasted Chat Photo: Megumi Aita/ Audubon Photography Awards

Yellow-throated Warbler Photo: Judy Lyle/Great Backyard Bird Count

Major NM Rivers



Willow Flycatcher Photo: John Morrison/ Audubon



Bell's Vireo Photo: Sherman Barr/ Audubon Photography Award



Map: Carol Zuber-Mallison/ZM Graphics

efficiency projects, habitat restoration projects and water shortage sharing agreements.

Adequately fund water infrastructure and conservation projects through New Mexico programs like the Strategic Water Reserve, the Water Trust Board and the River Stewardship Program.



Create a state-wide river protection program that addresses environmental flow needs.

Audubon Southwest is working with diverse partners on the ground and in coalitions to work towards healthy rivers and modernized water policy



Environmental Flow Programs Can Be a Benefit to Landowners

Environmental flow programs **are not** a threat to existing water rights and water users. Environmental flow programs work within State water law to find solutions that work for both rivers and people, and typically include temporary water leasing arrangements, on-farm efficiency projects and habitat restoration. Water leasing programs provide drought year funding options to irrigators for temporarily leaving their water in a river while maintaining their water rights.

Protection of Stream Flows in NM

Already, New Mexico found some ways to address the flow needs of endangered species along the Rio Grande and Pecos Rivers. These solutions include the New Mexico Strategic Water Reserve and the leasing of San Juan Chama water on the Middle Rio Grande. Recently (2019) the New Mexico Office of the State Engineer recognized the environmental "beneficial use" of leaving a water right in a river. Because of these programs, New Mexico is well positioned to develop a more comprehensive stream flow enhancement program that works within the existing framework.

Call to Action

By prioritizing healthy rivers, New Mexico can better combat the changes associated with climate change. To accomplish this, New Mexico must understand where and when flow is most needed, have legal and administrative mechanisms for conducting flow protection, and procure staff and financial resources to activate such a program. In the coming years, we believe New Mexico should pursue the following goals:



Emphasize instream flows as a beneficial use by including environmental flows in the state's upcoming 50-year water plan and one the State Engineer's Office to issue more

encourage the State Engineer's Office to issue more instream flow permits.



Identify and implement adaptive water management strategies such as environmental water leasing agreements, conservation and

NEW POLL SHOWS THAT NEW MEXICANS ARE CONCERNED ABOUT THE STATE'S WATER RESOURCES.

A majority of voters throughout New Mexico and across political parties are concerned about current and future water supply issues. They agree that immediate action is needed to ensure future generations have an adequate water supply.

New Mexicans want to see solutions that address water reliability, quality, and affordability, and that protect rivers, fish, and wildlife.

Moreover, residents want state leaders to make policy changes and provide the funds needed to make these solutions happen.

URGENCY

75%

of voters agree we need to act now to ensure that future generations have an adequate water supply.



agree that drought and lack of water supplies threaten our way of life in New Mexico.

In late 2021, Research and Polling, Inc., conducted 706 phone interviews of registered voters from a representative cross-section of rural, suburban, and urban parts of the state.

SUSTAINABILITY 82% ♦♦♦¢

believe expanding water recycling programs is important.

74% \$\$\$

support increasing funding for water infrastructure projects to ensure water supplies for future generations.

60% ♦♦₽∕

support more closely monitoring and regulating groundwater pumping to make sure supplies are not depleted.

67% \$\$\$

agree New Mexico needs to modernize and dedicate more funding to the management of water quality and water supply.

WATER DATA

84% ♦♦♦≎

support requiring state agencies to share all water data information with other agencies and the public.

64% \$\$\$

support increasing funding to modernize the state's water data management systems.

SECURE DRINKING WATER SUPPLIES



feel keeping water rates affordable is important.

68% \$

support offering funding and technical support to small rural water systems that seek to form regional water systems, while maintaining local control.

PROTECTING RIVER HEALTH

84% ♦♦♦

feel it is important to protect the health of rivers and streams.

82% ♦♦♦♦

feel it is important to protect fish, and wildlife.

69% **\$\$\$**

support increasing funding to help improve the health of rivers and streams.

FARMING & RANCHING

84%

feel it is important to ensure a reliable supply of water for farms.

61% \$\$\$

support using public funds to help improve water efficiency on New Mexico farms and ranches.

It's clear that voters support action now. They want the state government to make changes in water policy and to fund these changes. Ensuring a sustainable future for New Mexico's farms and ranches, while maintaining secure and affordable supplies for New Mexico's communities and for the environment, requires investment and a newer, modern system of management and regulation.

The poll was conducted by Research and Polling, Inc., and commissioned by the Water Foundation and the Thornburg Foundation. For further information, contact: Nina Carranco, Program Officer, Water Foundation, ncarranco@waterfdn.org Patrick McCarthy, Water Policy Officer, Thornburg Foundation, patrick@thornburgfoundation.org