

ADWR: GUAC/Tucson AMA 2nd Half-Year Report

Prepared for: Arizona Department of Water Resources

Prepared on: February 25, 2026

I. Purpose

The purpose of this project is to provide support for the expansion of Arizona Project WET (“APW”) trainings, materials, and festivals in the Tucson Active Management Area (“AMA”).

II. Introduction

The purpose of this program is to educate K-12 students about their interconnected water resources and their importance to Arizona’s future in support of Tucson AMA’s statutory goal of safe yield. Project goals are to work towards an understanding of:

- Surface water in terms of a watershed’s components, its dynamics, and its role in the hydrologic cycle.
- The groundwater system in terms of its components, composition, and its role in the hydrologic cycle.
- The effect of snowpack on water flow in a watershed
- The movement of water through diverse substrates
- Surface water and groundwater rights in Arizona
- Surface water management through containment and distribution
- Colorado River system allocations and uses.
- The Central Arizona Project and the Shortage Sharing Agreements on the Colorado River
- Groundwater recharge and the Arizona water bank
- Water reuse and augmentation
- Water Conservation Technology
- The Engineering Design Process

Funds granted by this contract will be used to develop and conduct curriculum components, STE(A)M lessons, groundwater sustainability practices, and professional development for teachers. This funding will also expand and improve existing programs within the Tucson AMA region.

III. Scope of Work

Task 1: Educator One-Day Workshop

APW shall conduct a one-day workshop, potentially reaching twenty (20) educators from the Tucson AMA. Educators will grow their skills in engaging students in real-world and relevant science, technology, engineering, and math learning that focuses on systems thinking and creative problem-solving. Participants will leave this workshop with practical applications for instruction regarding STEM concepts and will receive new Project WET Teacher Guides appropriate to student grade-band from APW.

Deliverable: The 2026 Annual Final Report shall include a description of the workshop, including location, syllabus, marketing efforts, attendance, and survey results.

Date	Workshop Title	Grade Band(s)	Educator Count	Notes:
TBD Spring 2026	Wonders of Wetlands	3 rd – 6 th Grades	up to 20	TBD Field site

Task 2: The Groundwater System

The groundwater system is one of Arizona’s most important water reserves. Increasingly, in many areas of the state, we are even managing water storage using the groundwater system. Arizona students need to understand this system as a crucial part of the water cycle to ensure that, as decision makers, we manage this resource for future prosperity.

- APW will conduct thirty (30) groundwater presentations for students in the Tucson AMA.
- APW will also deliver **FOUR (4)** Water Festivals for 4th grade students within the Tucson AMA.

Deliverable: The **First** and Second **Half-Year Reports** will include number of persons in attendance and participating schools. At the culmination of the semester an Arizona Water Festival Impact Report, containing student survey and evaluation data, will be included in the 2026 Annual Final Report.

30 Groundwater Presentations: Attachment A (photos from Sonoran Science Academy)

Date	Classes	School	Student Count
9/25/25	3	Sonoran Science Academy	65
10/3/25	2	Coyote Trail Elementary School	43
10/29/25	3	Basis Oro Valley	93
11/5/25	3	DeGrazia Elementary School	50
11/12/25	4	Senita Valley Elementary School	60
12/4/25	3	Rio Vista Elementary School	53
12/11/25	3	Borton Magnet Elementary School	51
1/21/26	4	Edge High School-Himmel Park	17
2/18/26	1	Sahuarita High School	TBD
2/23/26	1	Desert View High School	
3/5/26	4	Lehman Academy Science	

4 Arizona Water Festivals: Attachment B (photos from Sunnyside Water Festival)

Date	Region	School District & Series #, if applicable
11/14/25	<u>Tucson</u>	Sunnyside USD #3
		<ul style="list-style-type: none"> • Students: 307 • Teachers: 13 • Schools: Los Amigos Tech Academy and Craycroft, Esperanza, and Santa Clara Elementary schools • Volunteers: 35

UPCOMING

3/3/26	<u>Tucson</u>	Amphitheater USD
3/6/26	<u>Sahuarita</u>	Sahuarita USD
3/10/25	<u>Tucson</u>	TUSD

IV. Schedule of Deliverables

Contract Signed **August 20, 2025**

Submit Reports:

1 st Half-Year Report	September 30, 2025
2nd Half-Year Report	February 28, 2026
2026 Annual Final Report	June 30, 2026

Strategic support for APW provides effective educational opportunities to an extensive network of educators, young adults, and children. We appreciate your partnership in helping to ensure that Arizonans understand their interconnected water resources, are conservation savvy, and are prepared to help ensure a safe, reliable water supply.

APW partners with an extensive network of water providers and school districts to market programs. In addition, we maintain a list-serve of all past participants in the program. The APW website invites sponsors, partners, teachers, and future collaborators to explore APW programs, including teacher workshops and academies, Arizona Water Festivals, Water Scene Investigations Programs, and Groundwater Programs.

Attachment A





Attachment B

