

ADWR: GUAC/Tucson AMA 1st Half-Year Report

Prepared for: Arizona Department of Water Resources

Prepared on: September 30, 2025

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.

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 students, student assessment, and evaluation data.

Groundwater Presentations booked/delivered/due as of this reporting: 14/3/30

Date	Classes	School	Student Count	Notes:
9/25/25	3	Sonoran Science WEST	65	Photos – Attachment A
11/5/25	3	DeGrazia	TBD	
11/12/25	4	Sentia Valley	TBD	
3/5/26	4	Lehman Academy	TBD	

Upcoming Arizona Water Festivals* booked/delivered as of this reporting: 4/0/4

Date	Region	School District & Series #, if applicable
11/14/25	<u>Tucson</u>	Sunnyside USD #3
3/3/26	<u>Tucson</u>	Amphitheater USD
3/6/26	<u>Sahuarita</u>	
3/10/25	<u>Tucson</u>	TUSD #2

* Completed AWF’s will include the number of students, student surveys, and evaluation data from each teacher.

IV. Schedule of Deliverables

Contract Signed **August 20, 2025**

Submit Reports:

1 st Half-Year Report	September 30, 2025
2 nd 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

