



# Kaweah Subbasin Water Marketing Strategy

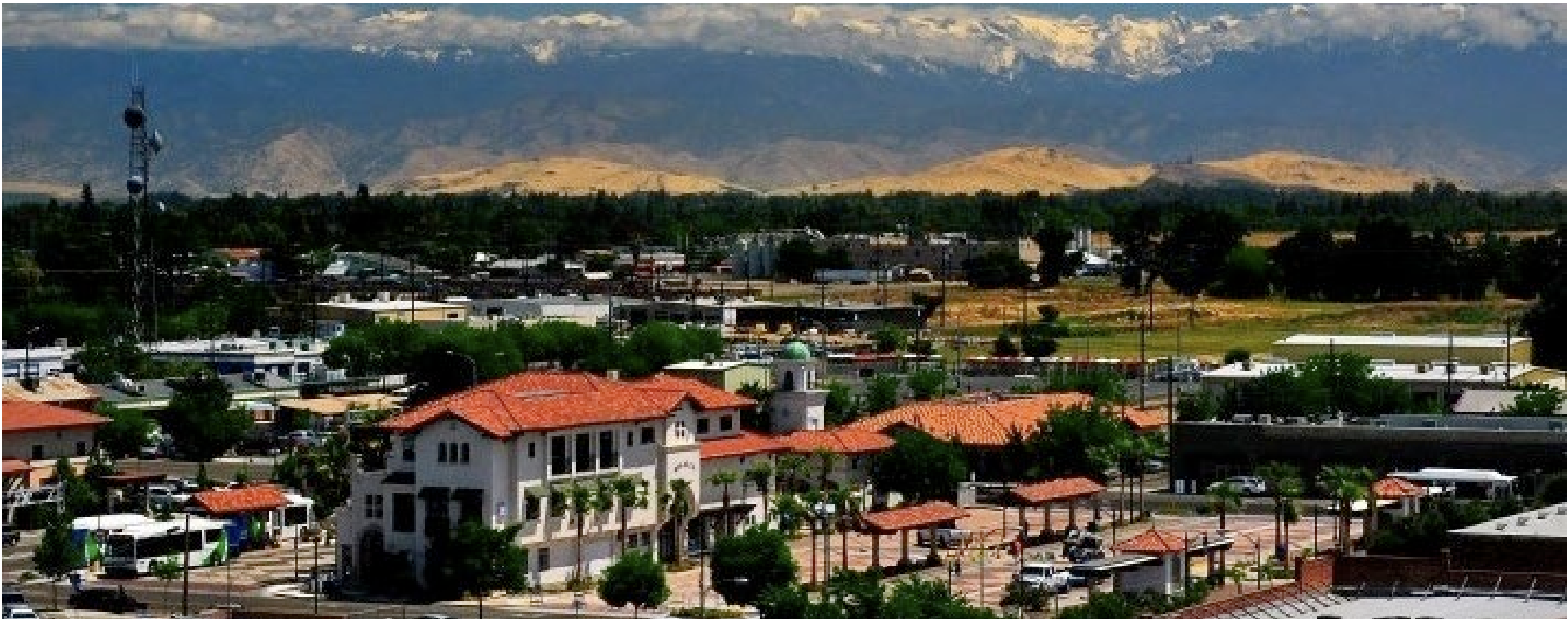
Strategy Committee Meeting  
July 19, 2023



# Agenda

1. Welcome and Roll Call
2. Previous Meeting Recap
3. Recap of May Public Workshop
4. Review of Water Marketing Strategy Document
  - Chapters 1, 2, 3, 5, and 6
5. Water Dashboard/Trading Software Integration
6. Adjourn





# Welcome & Roll Call





# Previous Meeting Recap

# Water Market v1.0

## Basics

Program Period: Current Water Year, ending September 30, 2023

Unit Traded – one acre-foot of allocation (measured as ET)

Type of allowable trades – one-time transfer of up to up to 10 inches per acre (measured as ET)

Eligible Participants – landowners within a given GSA who hold allocation and who are current with all GSA fees and in compliance with all GSA ordinances, rules and regulations

## Type of Exchange

Monthly auction, conducted in December, January, and last 2 months of water year as well as 45 days after end of water year

Third-party facilitated – exchange platform integrated with Water Accounting Dashboard

## Price Information

Price and quantity for each transfer (anonymous)

# Water Market v1.0

## Mitigation of Adverse Impacts

GSP Analysis Zones aggregated into a small number of *trading zones*

Trigger levels monitored in Fall reading. Notification of any triggers provided in December, prior to first auction.

Triggers may be lifted following Spring reading (or anytime if growers cover cost of mitigation to alleviate trigger and associated monitoring)

- Minimum Threshold trigger (individual zone drops out and directional restriction applies)  
Trigger: 12 feet from MT
- DAC trigger (trading within individual zone ceases until impact is mitigated)

# Water Market v1.0

## Mitigation of Adverse Impacts

GSP Analysis Zones aggregated into a small number of *trading zones*

Trigger levels monitored in Fall reading. Notification of any triggers provided in December, prior to first auction.

Triggers may be lifted following Spring reading (or anytime if growers cover cost of mitigation to alleviate trigger and associated monitoring)

- Minimum Threshold trigger (individual zone drops out and directional restriction applies)  
Trigger: **30% of well depth**
- DAC trigger (trading within individual zone ceases until impact is mitigated)

### **UPDATE:** draft DAC Trigger Definition

1. For each DAC, find closest unconfined RMP
2. Need to know well depths of DAC wells
3. Set protective depth for DAC wells based on **30%** of well depth  
(note GWL MT is based on 20%, but this is a trigger point not MT so needs to give early warning)
4. Use WY 2022 fall groundwater level map to determine difference in groundwater levels between DAC wells and RMP
5. Set trigger elevations in RMPs that corresponds to a groundwater elevation 30% above bottom of DAC wells based on difference in 2022 groundwater levels

**ArcView map link [HERE](#)**

# Water Market v1.0

**Transfer Bucket – market participants move allocation to/from specific APNs**

**CVP Place of Use restriction – no foreign water in Transfer Bucket**

**(Not relevant to pilot, but necessary for full implementation over time.)**

**Post Water Year True-Up**

**Auction held 45 days after end of water year**

**Purchased allocation must be used in current water year**

**APN-specific treatment of participants with parcels in multiple Trading Zones**

**Review Committee**



# GSA-Specific Review Committee

**Membership: subset of Strategy Committee**

**Including at least GSA, Agriculture, Environmental, and DAC representative**

**- Third-party facilitated**

**Meeting Frequency: semi-annually and if needed**

**Responsibilities: evaluate market performance and suggest policy adjustments;  
dispute resolution**

**\*Review Committee has *advisory* role, makes recommendations to GSA Board**



# Recap of May Public Workshop





# Review of Water Marketing Strategy Document

## Chapters 1, 2, 3, 5, & 6

Link to [DropBox folder](#)





# Water Dashboard / Trading Software Integration



# Water Dashboard / Trading Software Integration

GSA Review

Member Menus

Home

Water Accounts

Farm Map

Explore Usage

Getting Started Guide

Contact Us

Roadmap

Help

Please inform MKGSA of any edits, errors, or challenges no later than 3/03/2023. Payment is due March 31, 2023.

Table 1. Summary of measured water supply and usage in water year 2022 (May 01, 2022 - September 30, 2022)

Column Number	1	2	3	4	5	6	7	8	9	10
	Water Allocation Acreage		Water Usage		Water Supply				Balance	
Land Parcels APN #	Assessed Area (APN Ac.) [acre]	Irrigated Area (Irr Ac.) [acre]	Total ET [AF]	Precipitation [AF]	Surface Water [AF] *Irr. Efficiency	Allocation [AF]	Available for Transfer [AF]	Transferred [AF]	Balance [AF]	Balance / Acre [AF/Ac.]
158-110-049	155.77	151.65	340.03	0.36	0.00	389.43	0.00	-1.07	+48.69	+0.31
158-140-002	40.10	39.51	106.95	0.09	0.00	100.24	0.00	+6.62	+0.00	+0.00
158-140-012	101.64	100.34	268.65	0.24	0.00	254.10	0.00	+14.31	+0.00	+0.00
158-150-011	34.28	32.24	54.86	0.11	0.00	85.70	0.00	-1.75	+29.20	+0.85
158-160-007	160.23	155.50	272.80	0.52	0.00	400.57	0.00	+3.23	+131.52	+0.82
160-050-002	67.00	66.48	158.46	0.27	0.00	167.50	0.00	-1.07	+8.24	+0.12
160-050-003	122.60	119.96	212.51	0.59	0.00	306.50	0.00	+5.71	+100.29	+0.82
160-050-006	38.40	36.89	81.24	0.18	0.00	96.00	0.00	-1.09	+13.85	+0.36
160-060-002	218.10	206.90	413.33	0.87	0.00	545.24	0.00	-1.09	+131.69	+0.60
160-060-003	19.78	19.41	45.10	0.10	0.00	49.46	0.00	-1.10	+3.36	+0.17
166-020-009	13.83	11.60	18.33	0.09	0.00	34.58	0.00	-2.13	+14.21	+1.03
174-110-001	29.71	28.90	51.01	0.14	0.00	74.28	0.00	-0.23	+23.18	+0.78
174-130-009	11.74	11.14	19.37	0.05	0.00	29.34	0.00	-1.76	+8.26	+0.70
226-010-001	141.53	138.76	331.14	0.45	0.00	353.83	0.00	-1.03	+22.11	+0.16
226-020-001	7.00	3.68	0.73	0.02	0.00	17.50	0.00	-7.69	+9.10	+1.30
226-020-024	167.59	163.83	195.88	0.53	0.00	418.98	0.00	-6.63	+217.00	+1.29
226-020-029	111.13	108.26	283.45	0.36	0.00	277.83	0.00	+5.26	+0.00	+0.00
226-030-004	160.00	157.13	305.75	0.52	0.00	400.00	0.00	-1.03	+93.74	+0.59



# Adjourn