

East Turlock Subbasin Groundwater Sustainability Agency Update

Presented to:

Stanislaus County Water Advisory Committee

May 29, 2024

Overdraft Reduction Plan Outline

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2 GSA Responsibilities and Coordination

3 Program Overview

4 Demand Reduction Programs

- 4.1 Recharge Programs
- 4.2 Multi-Benefit Land Repurposing Program
- 4.3 Land Retirement Program

5 Groundwater Use Management Program

- 5.1 Groundwater Allocation and Regulation Program
- 5.2 Groundwater Use Fee Program
- 5.3 Groundwater Accounting Platform

6 Adaptive Management Program

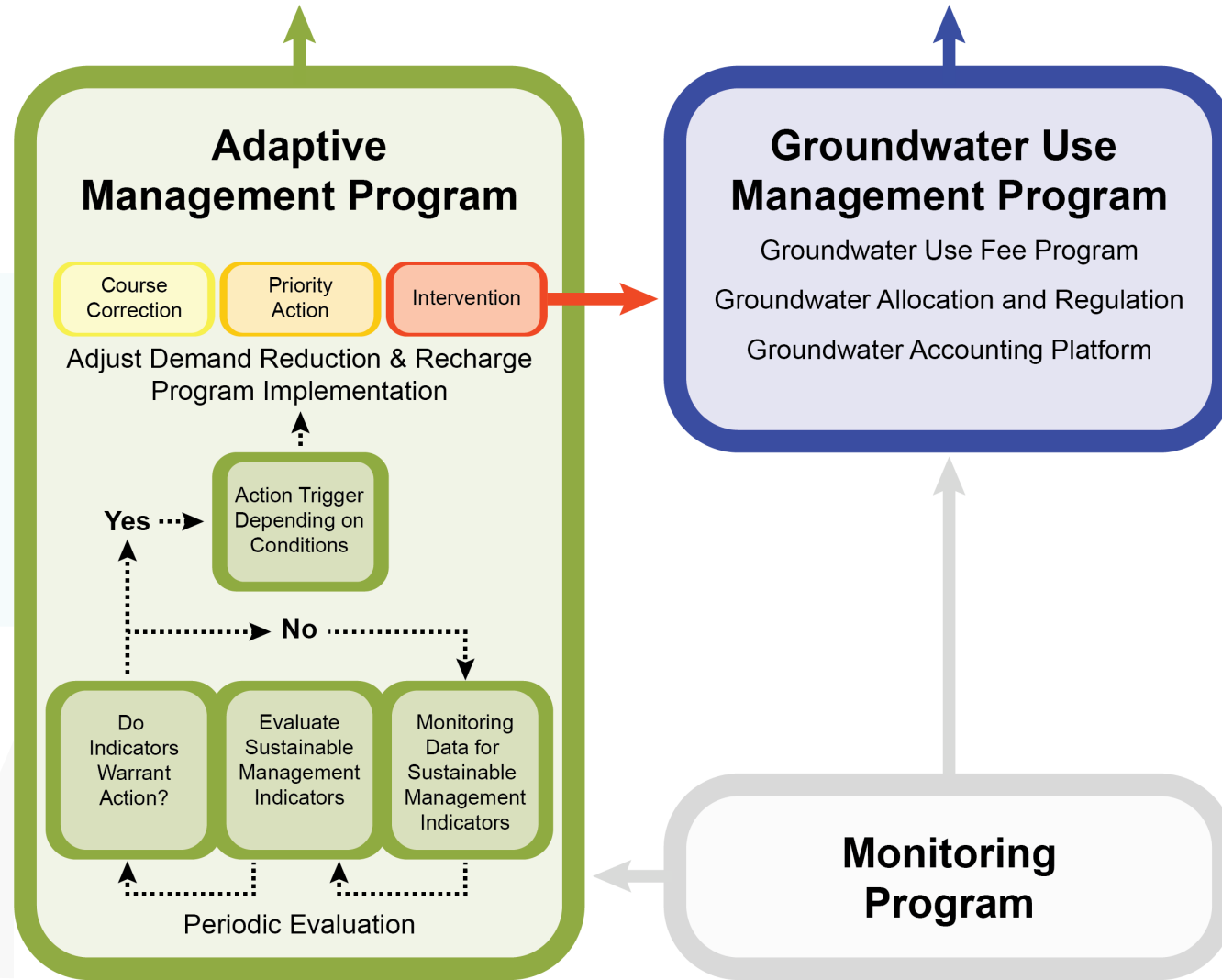
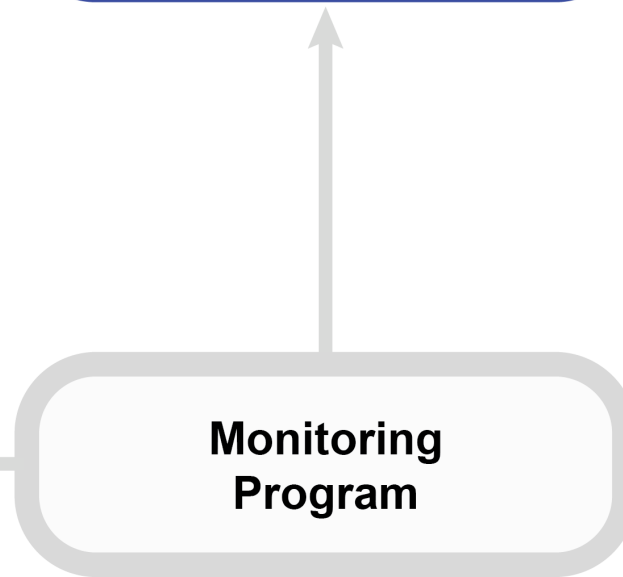
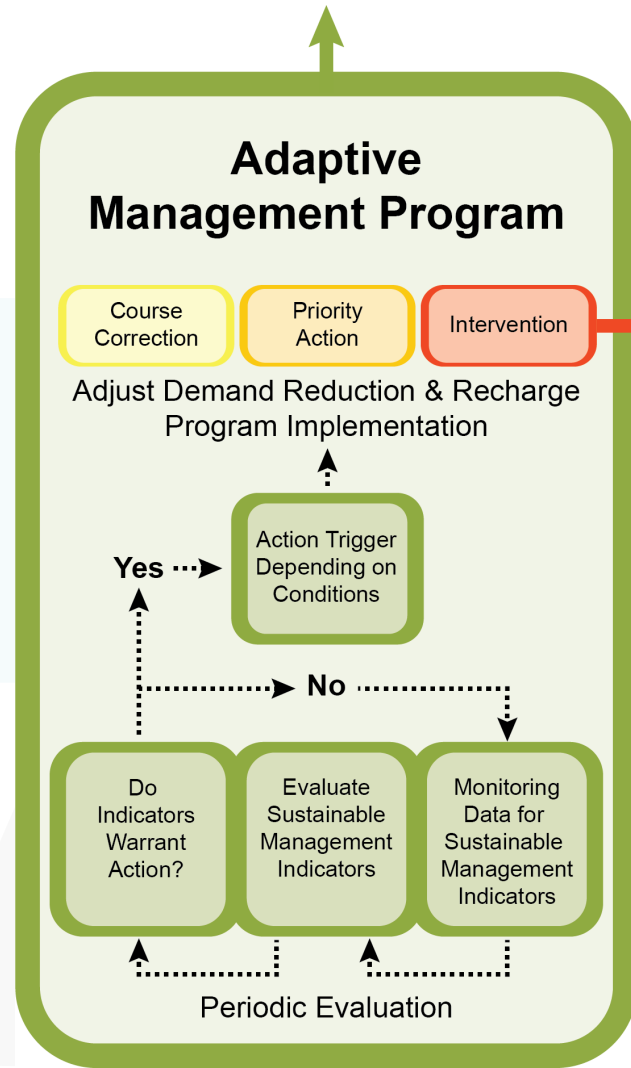
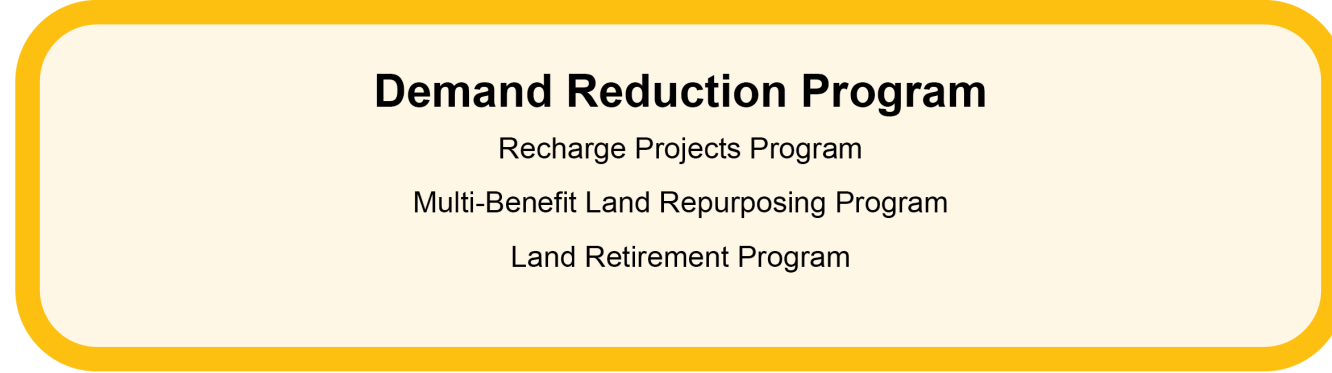
- 6.1 Review Process
- 6.2 Action Tiers and Escalation Triggers

7 Monitoring Program

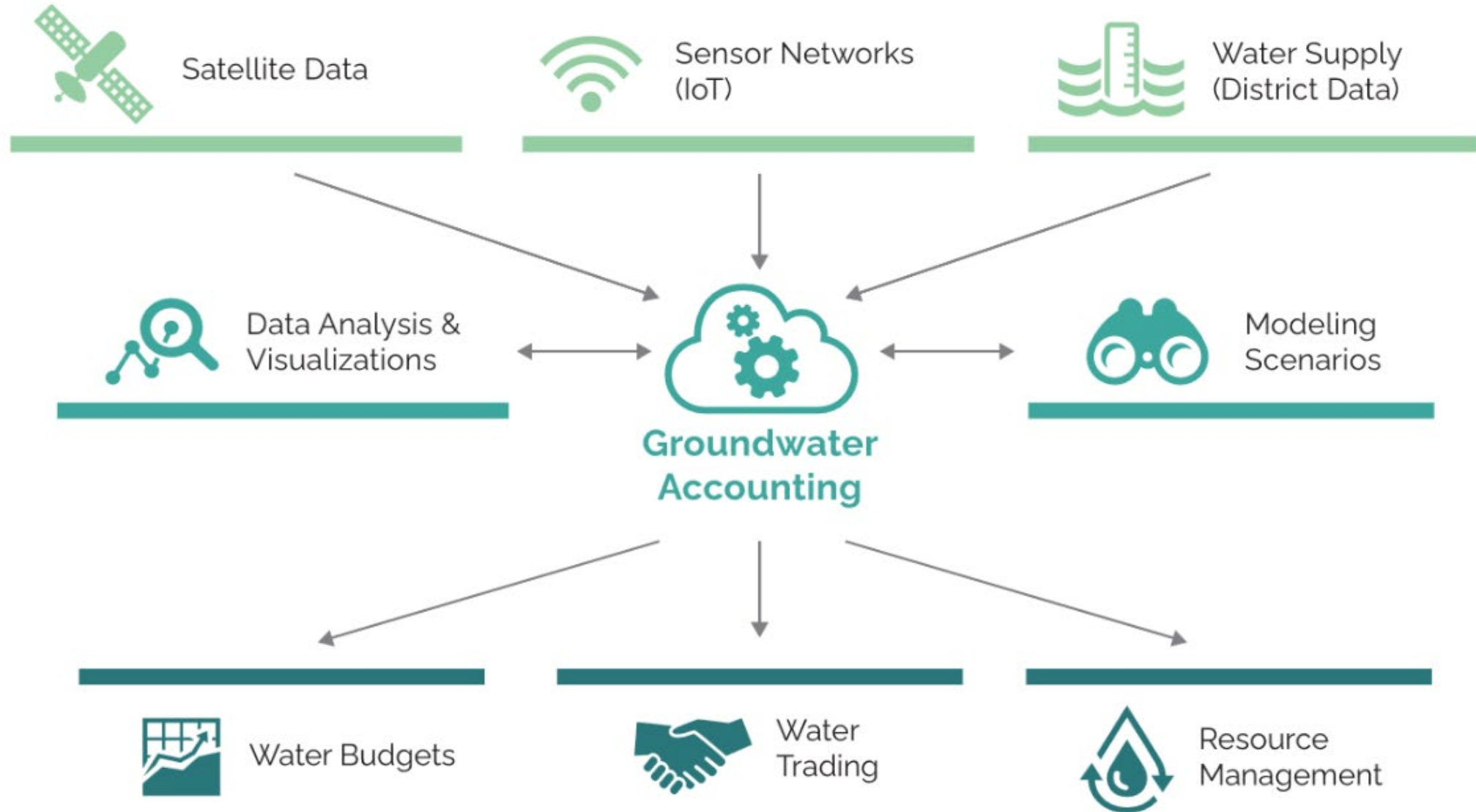
8 Schedule and Status

9 References

Overdraft Reduction Framework



Groundwater Accounting Platform



Development of Rules and Regulations

Phase 1



**Pumping
Management
Framework**

Who is eligible? How
are pumping fees
and thresholds set?



**Measuring
Groundwater Use**

How will
groundwater use
be monitored?



**Water
Accounting**

Accounting
methodologies, Water
Accounts

Phase 2



**Operational
Rules**

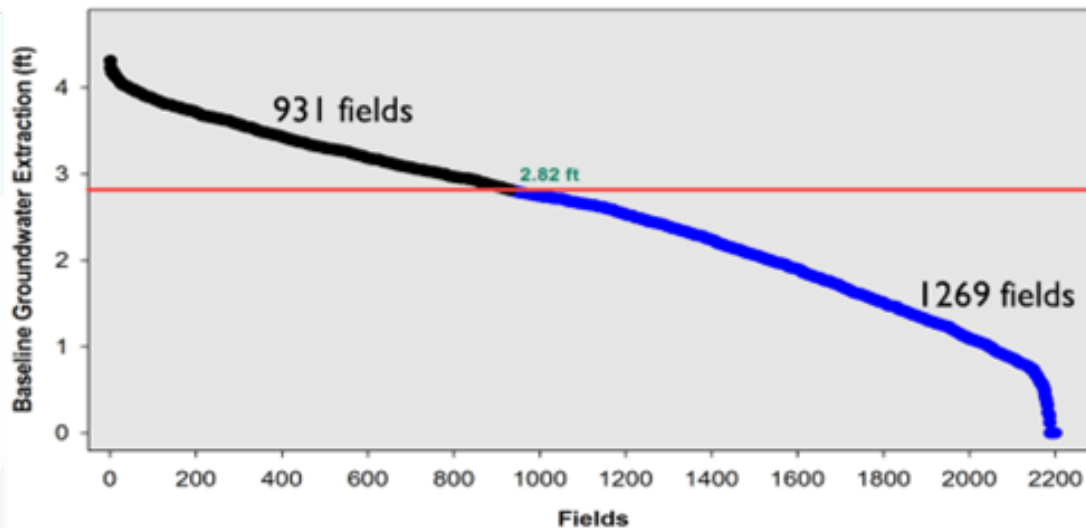
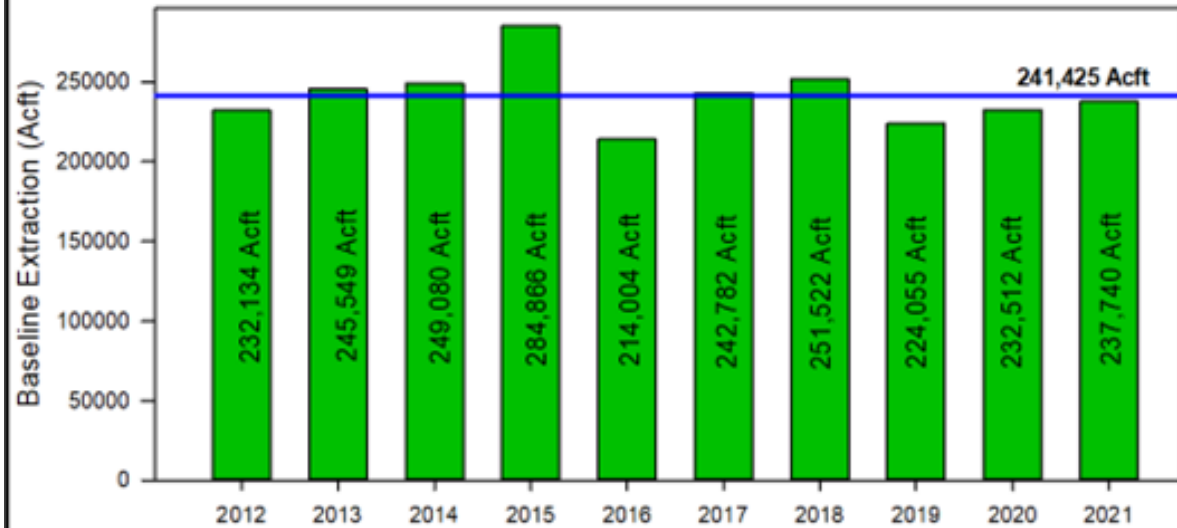
Credits, carryover
rules,
management zones,
etc.



**Penalties &
Appeals**

Appeals process,
enforcement
mechanisms

Baseline Groundwater Use

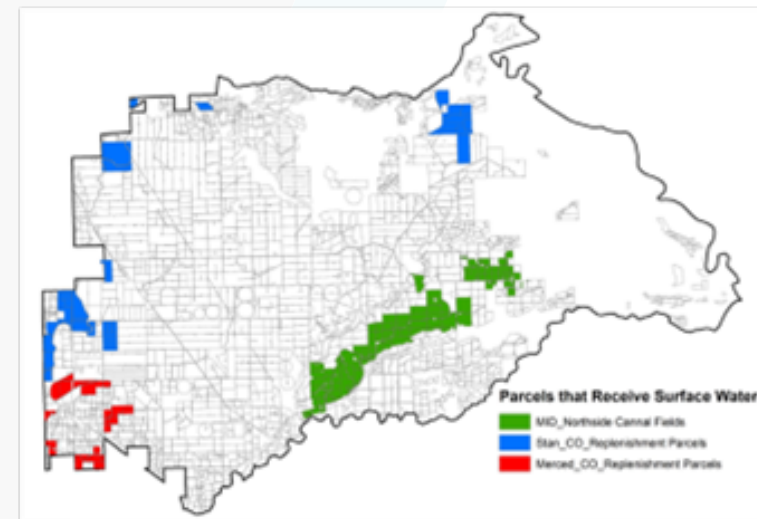


Baseline Extraction

Baseline Groundwater Extraction
= 241,425 AF

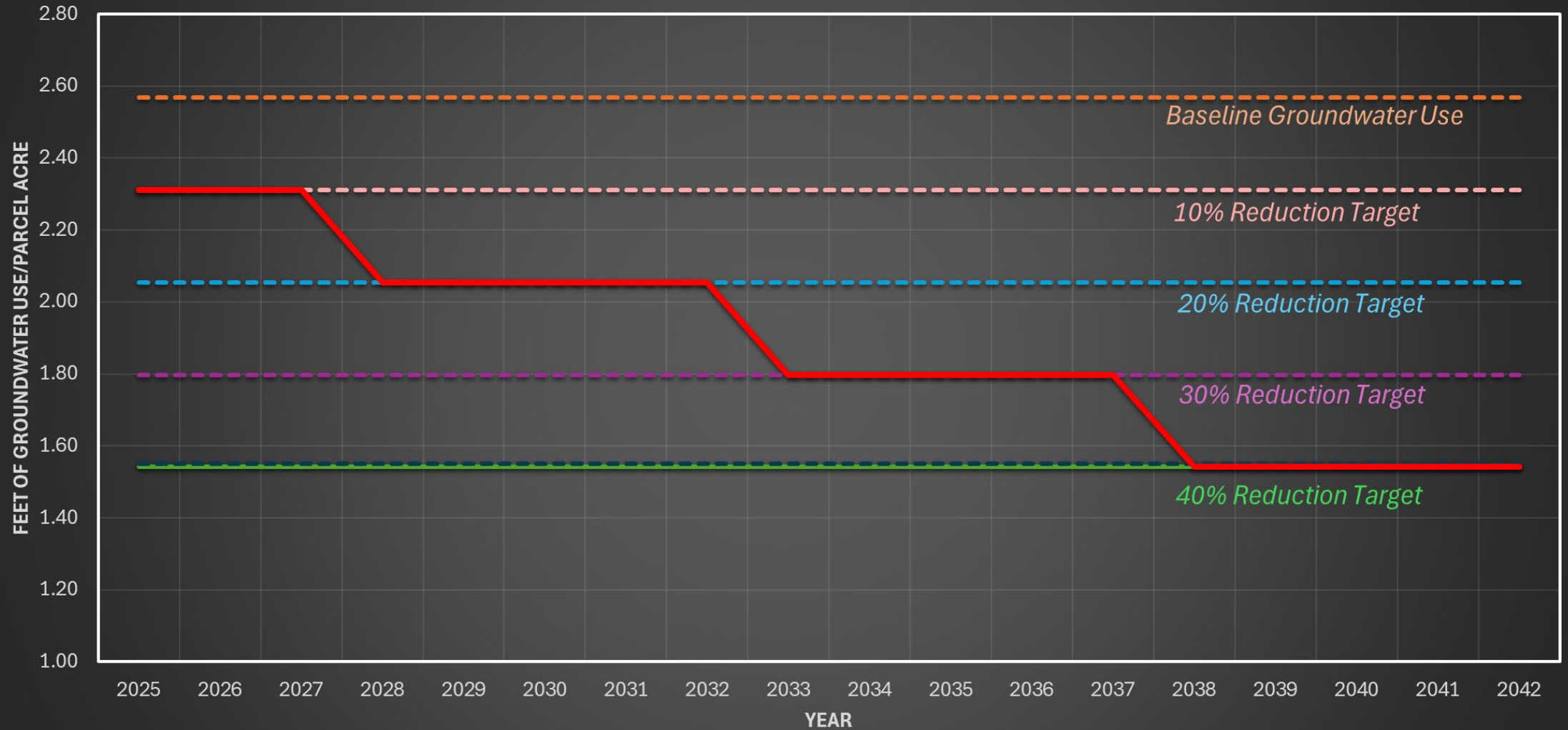
Equivalent Irrigation Depth
= 2.71 ft (32.5 inches)

Approximate Surface Water Deliveries
= 12,000 AF



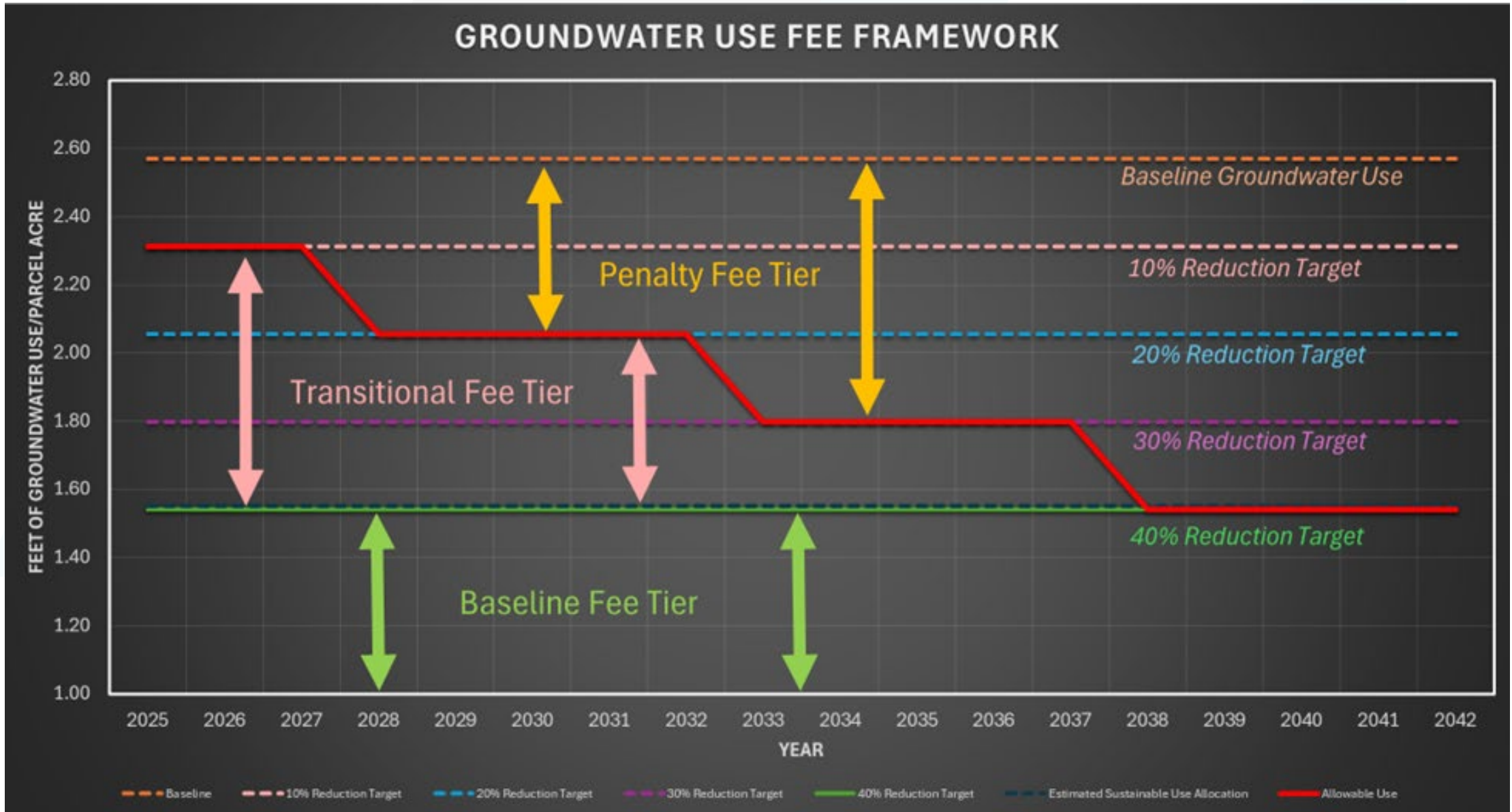
Groundwater Allocation and Regulation

GROUNDWATER USE REDUCTON FRAMEWORK

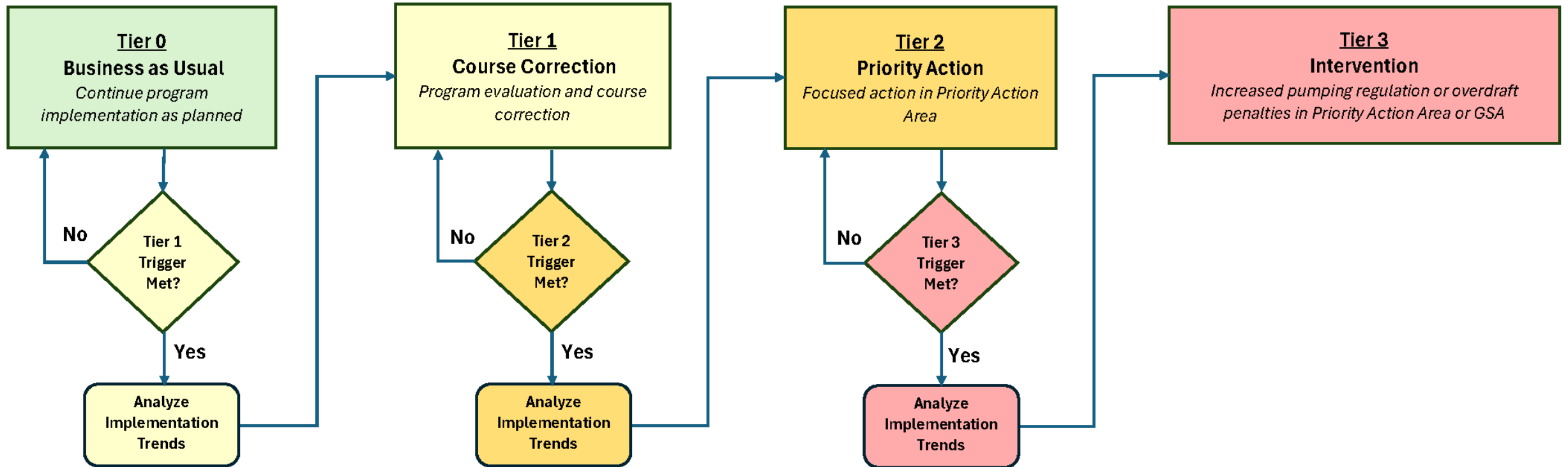


Baseline 10% Reduction Target 20% Reduction Target 30% Reduction Target 40% Reduction Target Estimated Sustainable Use Allocation Allowable Use

Groundwater Use Fee Program



Adaptive Management Overview



Well Mitigation Program

- Analysis by Todd Groundwater indicates ~85 wells projected to go dry in both GSAs at the currently projected groundwater level declines. Due to data limitations, actual number is not known.
- DWR expects a Well Mitigation Plan to be Developed and Implemented
- Plan to develop and finalize an MOU with WTSGSA outlining plan development approach and attach to the updated GSP
- Actual plan would be developed and adopted late 2024/early 2025
- Draft MOU has been reviewed by staff and legal

Well Mitigation MOU Outline (some details remain to be developed)

- Potential Mitigation Measures
- Well Mitigation Committee
- Funding and Allocation of Expenses
- Public Outreach and Claims Assistance
- Interim Remedies
- Claims Subject to Mitigation
- Claims Process and Administration
- Well Owner Agreements and Indemnification
- Permitting and Environmental Review