



Storage and Recovery Master Plan

Workshop #1: Kick-Off Meeting

November 15, 2023

Meeting Objectives



Develop understanding of scope and schedule of the Storage and Recovery Master Plan (SRMP) process and the expected future engagement from the Committee



Gather feedback on objectives and scope of work

Agenda

- **Background**
- **Scope of Storage and Recovery Master Plan**
- **Nexus to Other Long-Term Activities**
- **Discussion – Task 1**
- **Next Steps and Schedule**

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- **Background**
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Storage versus Storage and Recovery

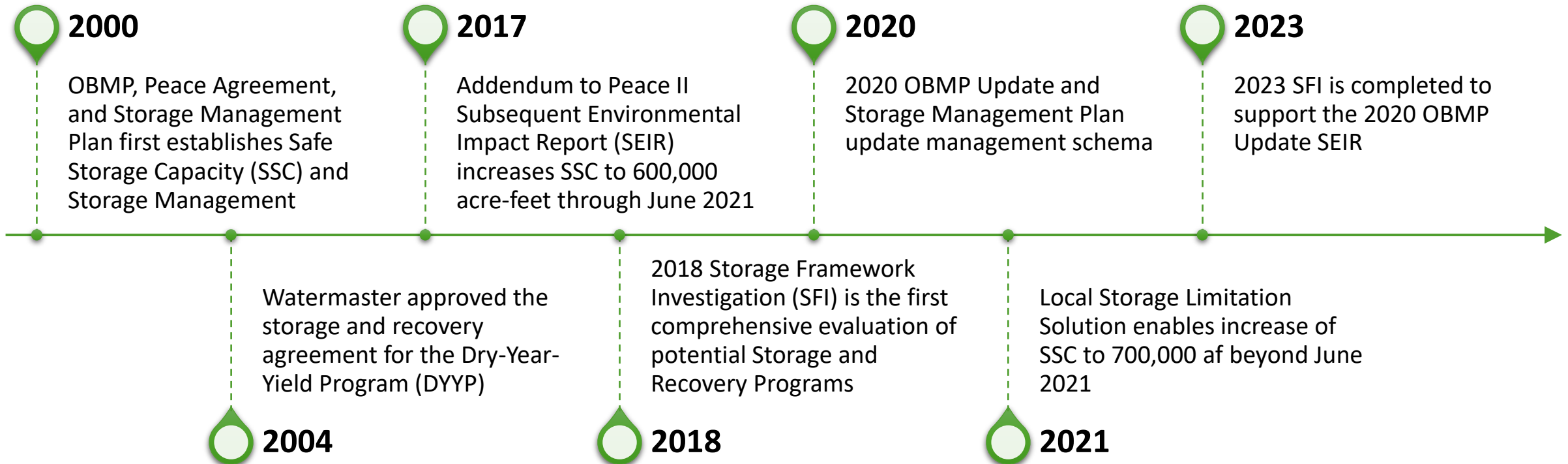
Storage

- Watermaster controls and regulates the use of storage capacity to protect stored water and Safe Yield
- Local Storage has priority over the use of storage space for export outside the basin

Storage and Recovery

- Storing supplemental water and exporting it outside the basin, subject to Watermaster's direction and control
- Requires storage and recovery agreement

Storage Management and Storage and Recovery in the Chino Basin



2020 Optimum Basin Management Program

- Parties wanted to implement optimized Storage and Recovery Programs that would avoid potential Material Physical Injury and provide broad mutual benefits



Activity B: Develop, implement, and optimize Storage and Recovery Programs to increase water-supply reliability, protect or enhance Safe Yield, and improve water quality

Objectives of SRMP

Support the development of the criteria for optimized Storage and Recovery Programs

Assist Watermaster in soliciting storing partners and Storage and Recovery Program proposals

Assist Watermaster in prioritizing and selecting Storage and Recovery Program proposals

Support applications for funding

Support Watermaster approvals and conditions for Storage and Recovery Programs

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- Background
- **Scope of Storage and Recovery Master Plan**
- Nexus to Other Long-Term Activities
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Scope of SRMP

- 1 Convene the SRMP Committee and articulate/refine the program objectives
- 2 Develop conceptual alternatives for Storage and Recovery Programs at various scales
- 3 Describe and evaluate reconnaissance-level facility plans and costs for the Storage and Recovery Program alternatives
- 4 Prepare the SRMP

Task 1 – Convene Committee and Objectives

Form Committee

- Engagement and continuity are important to a cost-effective and efficient SRMP process

Gather feedback and input

- Committee provides feedback and input on the objectives and desired benefits of Storage and Recovery Programs

Develop the scope of work

SRMP Committee

Provides advice and assistance to the Watermaster to guide development of SRMP

Committee and meetings are open to all stakeholders

Task 2 – Issue RFI and Develop Conceptual Alternatives

Prepare and issue informal Request for Interest

- Understanding the desired operations, scale, and facilities contemplated for potential projects

Describe conceptual alternatives for Storage and Recovery Programs at various scales

- Ideas for Storage and Recovery Programs at various scales

Develop ranking criteria for conceptual alternatives

Task 3 – Describe and Evaluate Plans and Costs

Describe conceptual alternatives in greater detail

- Develop reconnaissance-level facility plans, operational plans, and costs for conceptual alternatives

Evaluate and rank alternatives

- Simulate alternatives with Chino Valley Model

Task 4 – Develop SRMP

The SRMP will enable the parties to:

- Reference a common set of objectives for Storage and Recovery Programs
- Assess the potential for implementing Storage and Recovery Programs
- Solicit interest in participation in Storage and Recovery Programs
- Develop Storage and Recovery Programs that are consistent with the Storage Management Plan

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Other Long-Term Planning Activities

2025 Safe Yield Reevaluation

- SRMP Task 3 will leverage updated Chino Valley Model

2025 Storage Management Plan (SMP)

- SRMP must be consistent with the SMP and will inform the SMP

Regional Reliability Study

- Study can inform alternatives or guide design of optimal Storage and Recovery Programs

Water Quality Management Plan

- Storage and Recovery Programs can be a tool to provide regional water quality benefits

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Discussion – Objectives

Why do the parties want to conduct Storage and Recovery Programs?

What are the parties' objectives for Storage and Recovery Programs?

Discussion – Objectives

What were the obstacles to implementing Storage and Recovery Programs in the past, what are the current obstacles, and how we can overcome them in the future?

Discussion – Benefits

What are the benefits desired by the parties and how should they be quantified?

Broad mutual benefits of Storage and Recovery Programs



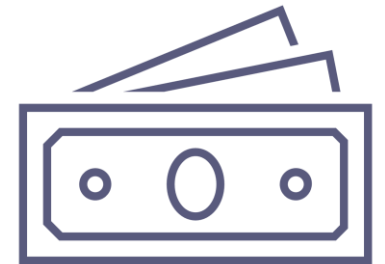
Increase water supply reliability



Protect or enhance Safe Yield



Improve water quality



Reduce stakeholder costs



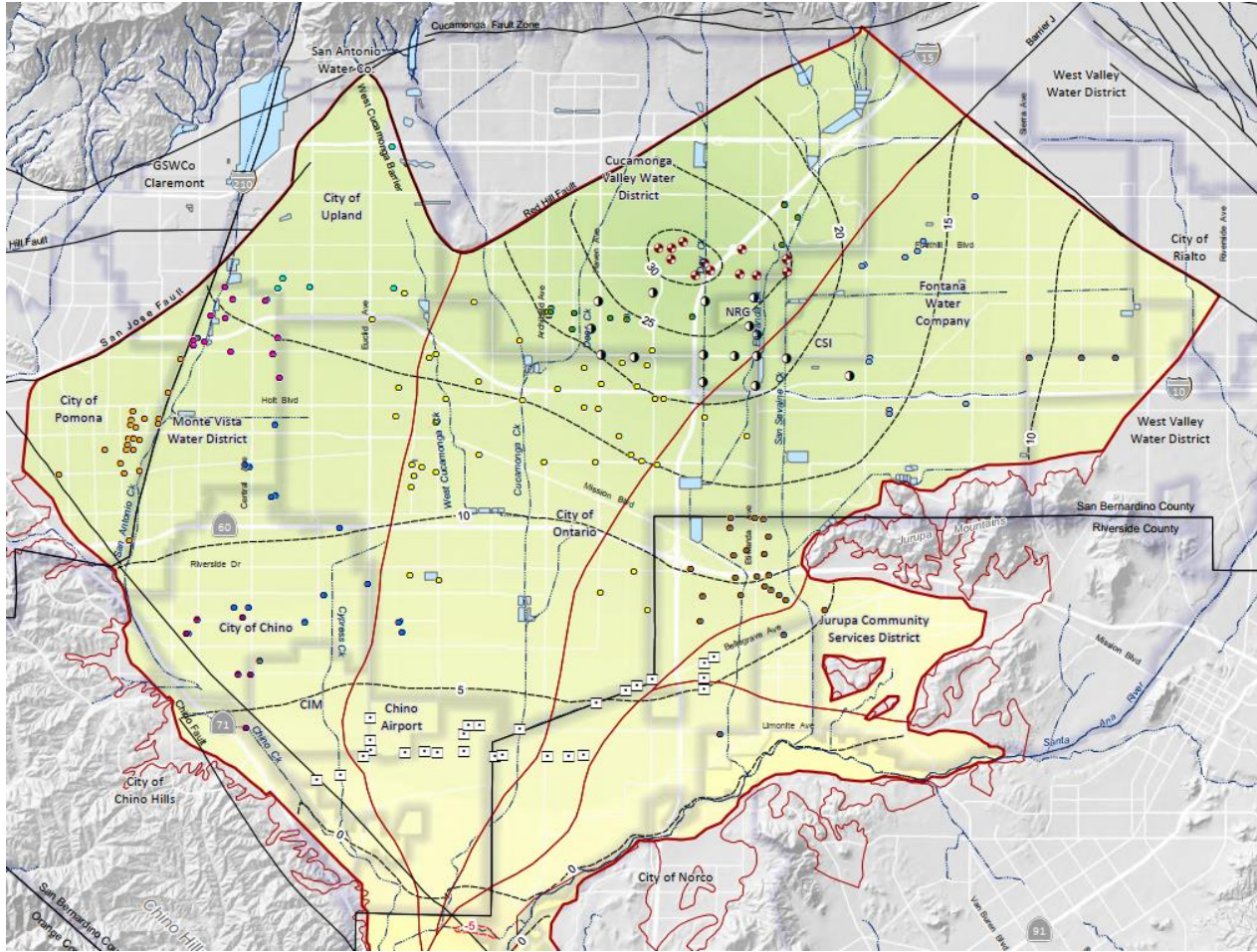
Increase water supply reliability

- Storing surpluses for use in dry years
- Improving operational flexibility for participating producers





Protect or enhance Safe Yield

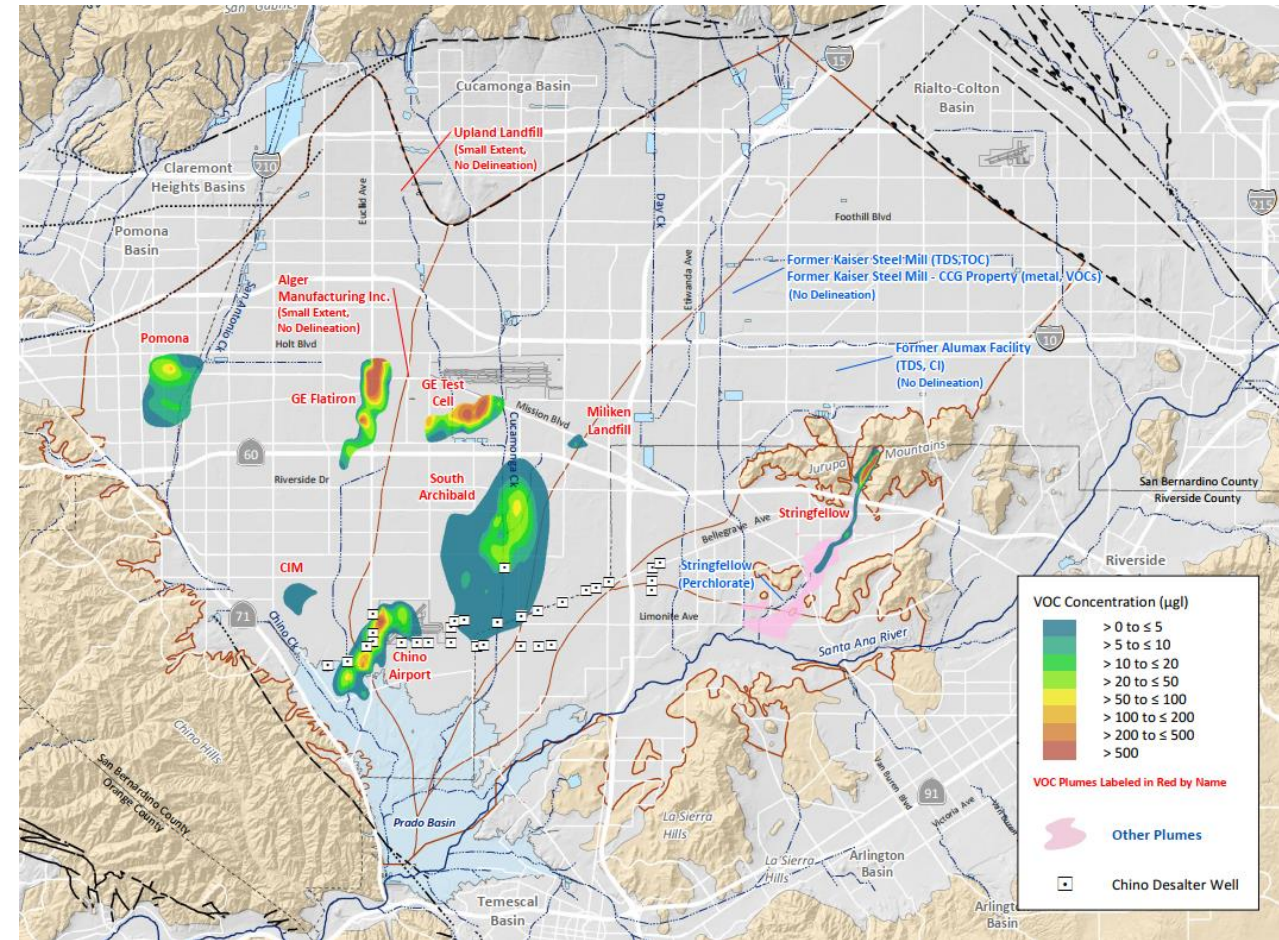


- Optimizing operations to minimize losses and potentially increase the net recharge to the basin



Improve water quality

- Recovery operations could be programmed to occur in areas of impaired water quality
- Supplemental water recharge could improve groundwater quality





Reduce stakeholder costs



Chino II Desalters. [Chino II Desalter Concentration Reduction Facility \(CRF\) – Butier Engineering](#)

- Potential mechanisms:
 - Leave-behind water
 - Revenue/credits
 - Investment in facilities
 - External funding (grant partnerships, etc.)

Discussion – Benefits

What are the benefits desired by the parties and how should they be quantified?

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Next Steps



Committee continues review of Workplan TM and provides feedback to Watermaster



Watermaster compiles feedback on Workplan TM and Workshop




Next workshop – early 2024

Link to SRMP Workplan TM

https://cbwm.syncedtool.com/shares/folder/PaauzoQapiZ/?folder_id=455947083

Table 1. Schedule for SRMP Committee Meetings

Task	2023 Q4	2024 Q1	2024 Q2	2024 Q3	2024 Q4	2025 Q1	2025 Q2	2025 Q3	2025 Q4
1 - Convene the SRMP Committee, define objectives, and refine scope of work	✓								
2 - Issue RFI, define conceptual alternatives for Storage and Recovery Programs at various scales									
3 - Describe and evaluate reconnaissance-level facility plans and costs for Storage and Recovery Program alternatives									
4 - Prepare Storage and Recovery Program Master Plan									
									



THANK YOU