



**AGENDA**

**MEETING/WORKSHOP  
OF THE  
BOARD OF DIRECTORS**

**WEDNESDAY, NOVEMBER 7, 2018  
10:00 A.M.**

**INLAND EMPIRE UTILITIES AGENCY\*  
AGENCY HEADQUARTERS  
KOOPMAN CONFERENCE ROOM – BUILDING B  
(Please note change in location)  
6075 KIMBALL AVENUE  
CHINO, CALIFORNIA 91708**

**CALL TO ORDER  
OF THE INLAND EMPIRE UTILITIES AGENCY BOARD OF DIRECTORS  
MEETING/WORKSHOP**

**FLAG SALUTE**

**PUBLIC COMMENT**

Members of the public may address the Board on any item that is within the jurisdiction of the Board; however, no action may be taken on any item not appearing on the agenda unless the action is otherwise authorized by Subdivision (b) of Section 54954.2 of the Government Code. Those persons wishing to address the Board on any matter, whether or not it appears on the agenda, are requested to complete and submit to the Board Secretary a "Request to Speak" form which is available on the table in the Board Room. Comments will be limited to three minutes per speaker. Thank you.

**ADDITIONS TO THE AGENDA**

In accordance with Section 54954.2 of the Government Code (Brown Act), additions to the agenda require two-thirds vote of the legislative body, or, if less than two-thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the local agency subsequent to the agenda being posted.

1. **WORKSHOP**

A. **CHINO BASIN PROJECT WORKSHOP NO. 2**

2. **ACTION ITEM**


A. **CHINO BASIN PROJECT BUDGET ESTABLISHMENT**

Staff recommends that the Board establish project number, PL19005, with a project budget of \$6.3M to support the development of the Chino Basin Project.

3. **ADJOURN**

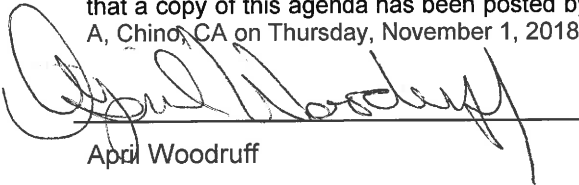
\*A Municipal Water District

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Board Secretary (909) 993-1736, 48 hours prior to the scheduled meeting so that the Agency can make reasonable arrangements.

Proofed by: 

**Declaration of Posting**

I, April Woodruff, Board Secretary of the Inland Empire Utilities Agency\*, A Municipal Water District, hereby certify that a copy of this agenda has been posted by 5:30 p.m. at the Agency's main office, 6075 Kimball Avenue, Building A, Chino, CA on Thursday, November 1, 2018.

  
April Woodruff

**WORKSHOP  
ITEM**

**1A**





# Chino Basin Project

**1water forward** ▶

Chino Basin Conjunctive Use Environmental  
Water Storage / Exchange Program

IEUA Board Workshop | November 7, 2018







# Chino Basin Project

— 1water forward ▶

## AGENDA

1. Chino Basin Project (CBP) Overview
2. Regional Collaboration
3. Schedule
4. Cost and Benefit Overview
5. Conclusion

# IEUA is Advancing Regional Water Resilience

1950

## Past Water Portfolio

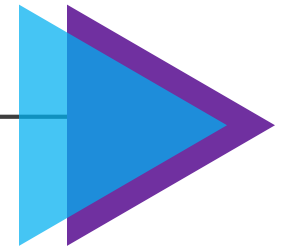
- Chino Basin Groundwater
- Creek Water
- MWD Imported Water



2018

## Today's Water Portfolio

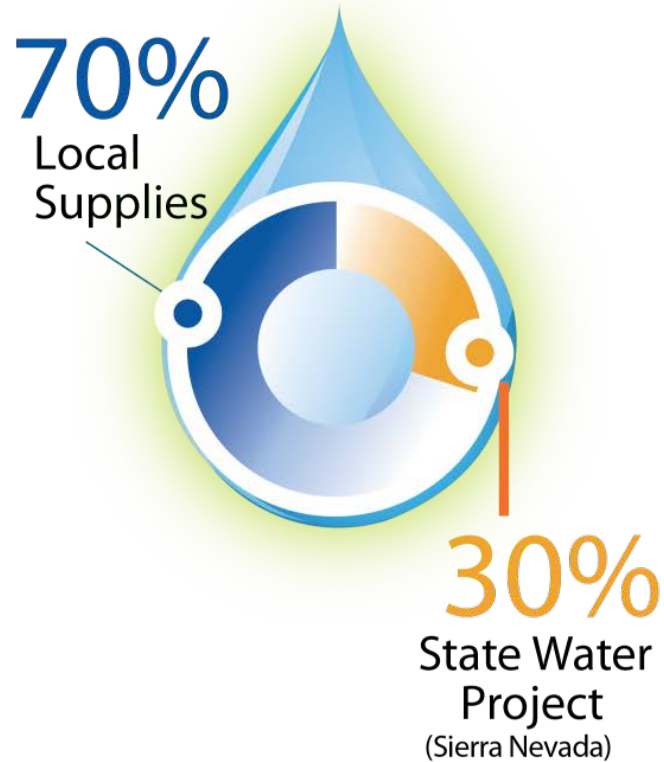
- Chino Basin Groundwater
- Creek Water
- MWD Imported Water
- Recycled Water
- Water Use Efficiency
- Chino Basin Desalter
- Groundwater Recharge



# IEUA is Advancing Regional Water Resilience

## Water Portfolio

! Local supplies impacted by **salts/total dissolved solids (TDS) & subsidence** continues to be a risk

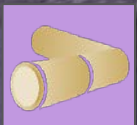


! Imported water supplies vulnerable to **drought and water quality**

# Chino Basin Project (CBP) Investment

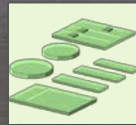


## Recycled Water Interties 1



Improves Water Quality & Flexibility

## Advanced Water Treatment 2



15,000 AF for Existing Basin Commitments

## Pipeline Connections 3



Additional & Improved Emergency Supplies

## Wellhead Improvements 4



Maximizes Use of Existing Water Supply

**\$385 million**  
capital investment



# CBP 1 Water Innovation Benefits



## SECURITY

Stores additional water locally



## QUALITY

Lowers TDS in the Basin



## NEW INFRASTRUCTURE

Leverages Prop 1 funding for needed water infrastructure



## BASIN PARTNERS

Achieves Optimum Basin Management Plan (OBMP) objectives



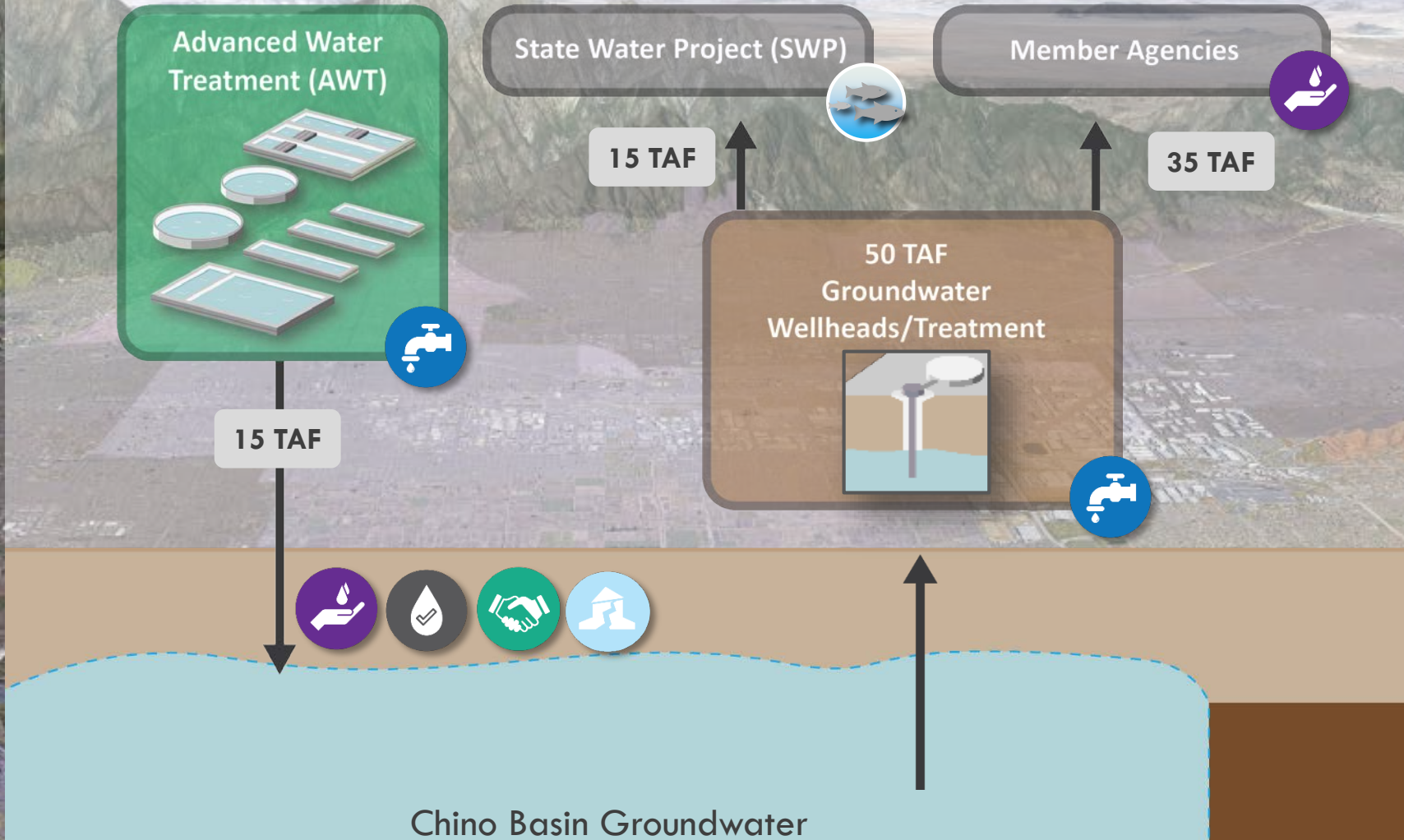
## SUBSIDENCE

Stored local water lowers subsidence concerns



# Chino Basin Project

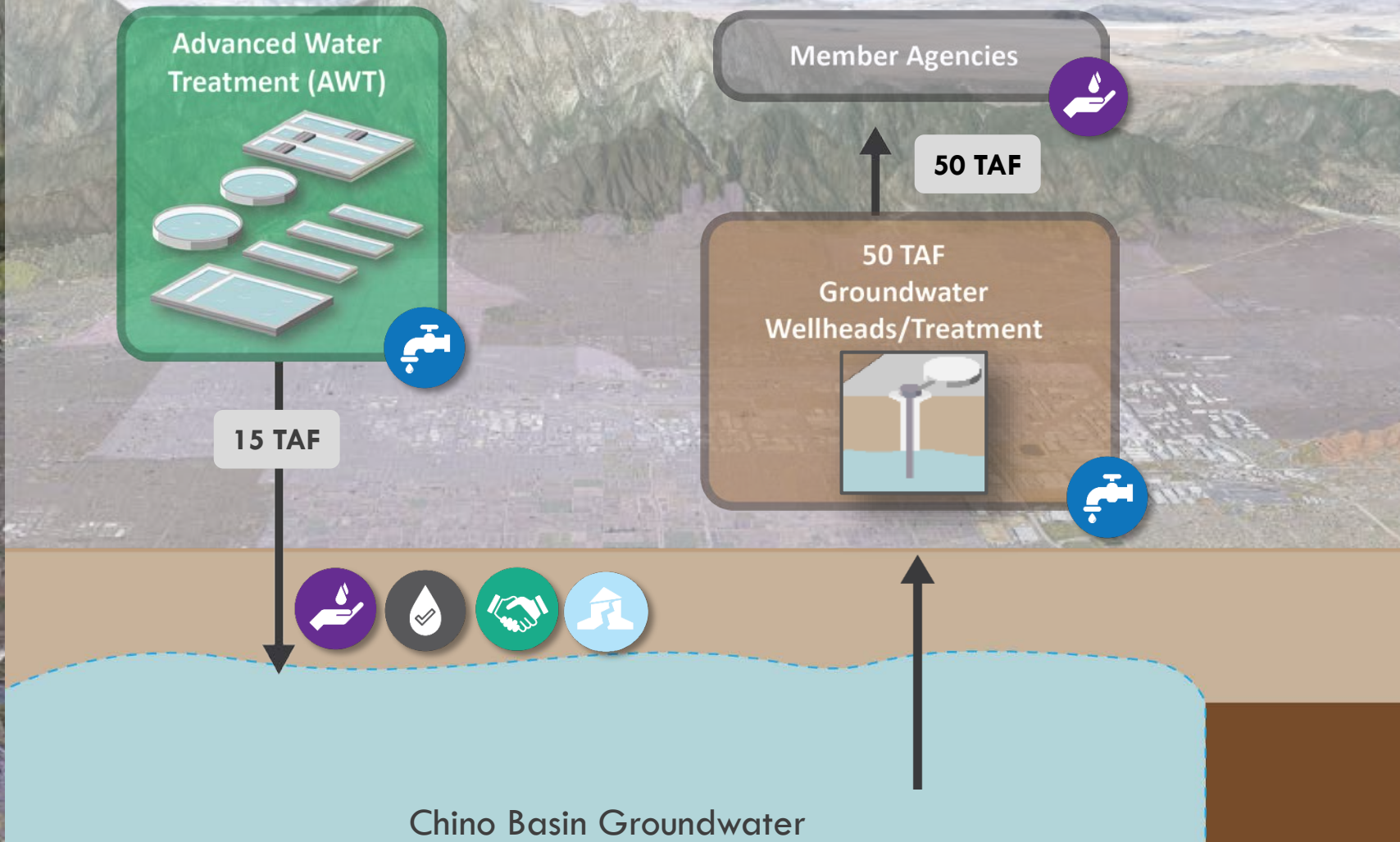
1water forward





# Chino Basin Project

## 1water forward







# Chino Basin Project

— 1water forward ▶

## AGENDA

1. Chino Basin Project (CBP) Overview
- 2. Regional Collaboration**
3. Schedule
4. Cost and Benefit Overview
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# Collaboration is Essential for Program Success

## Member Agencies

### *Establish CBP Workgroup*

- ✓ **Goal:** Collaborative Process for Decision Making
- ✓ **Result:** Commitments and Terms by mid-2019

## Watermaster

### *Reoccurring Meetings*

- ✓ **Goal:** Consistent with OBMP
- ✓ **Result:** Collaborative Basin Management

## MWD

- ✓ **Goal:** Refine and Develop Project Operations
- ✓ **Result:** Commitments and Terms for Project Operations

## Environmental

- ✓ **Goal:** OBMP Programmatic EIR and CBPs PEIR
- ✓ **Result:** PEIR Aligned with Adopted Master Plans



# Chino Basin Project

— 1water forward ▶

## AGENDA

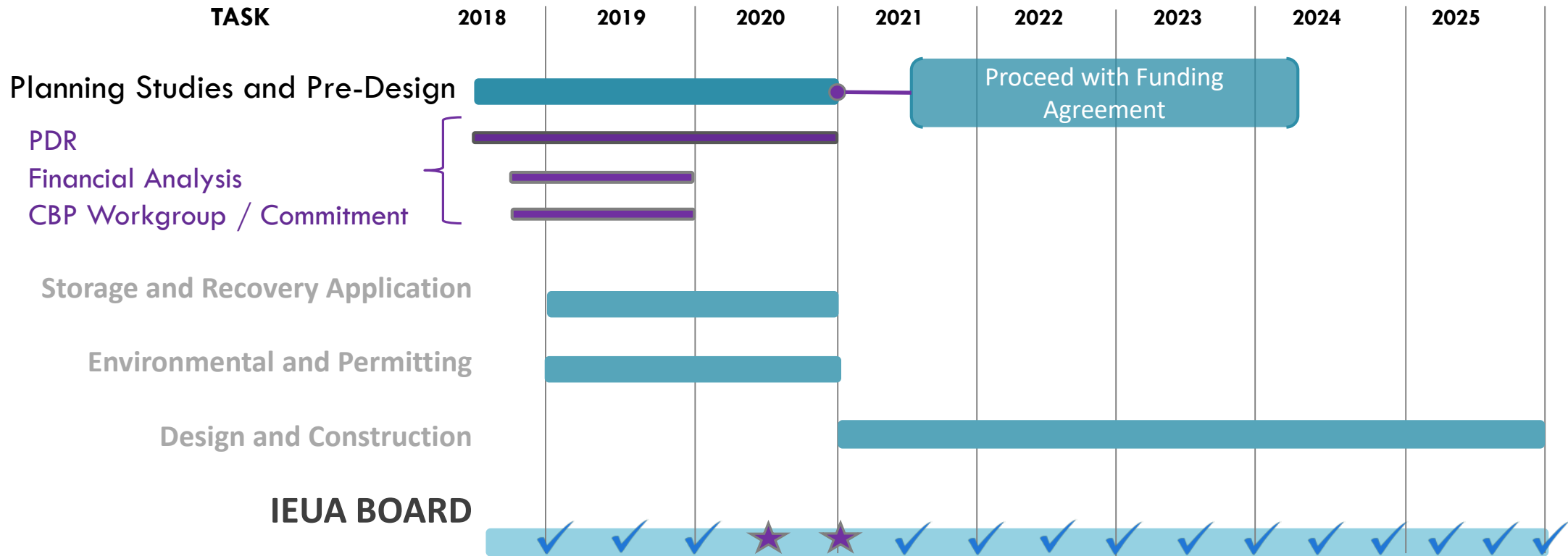
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# CBP Schedule

Schedule





# Chino Basin Project

— 1water forward ▶

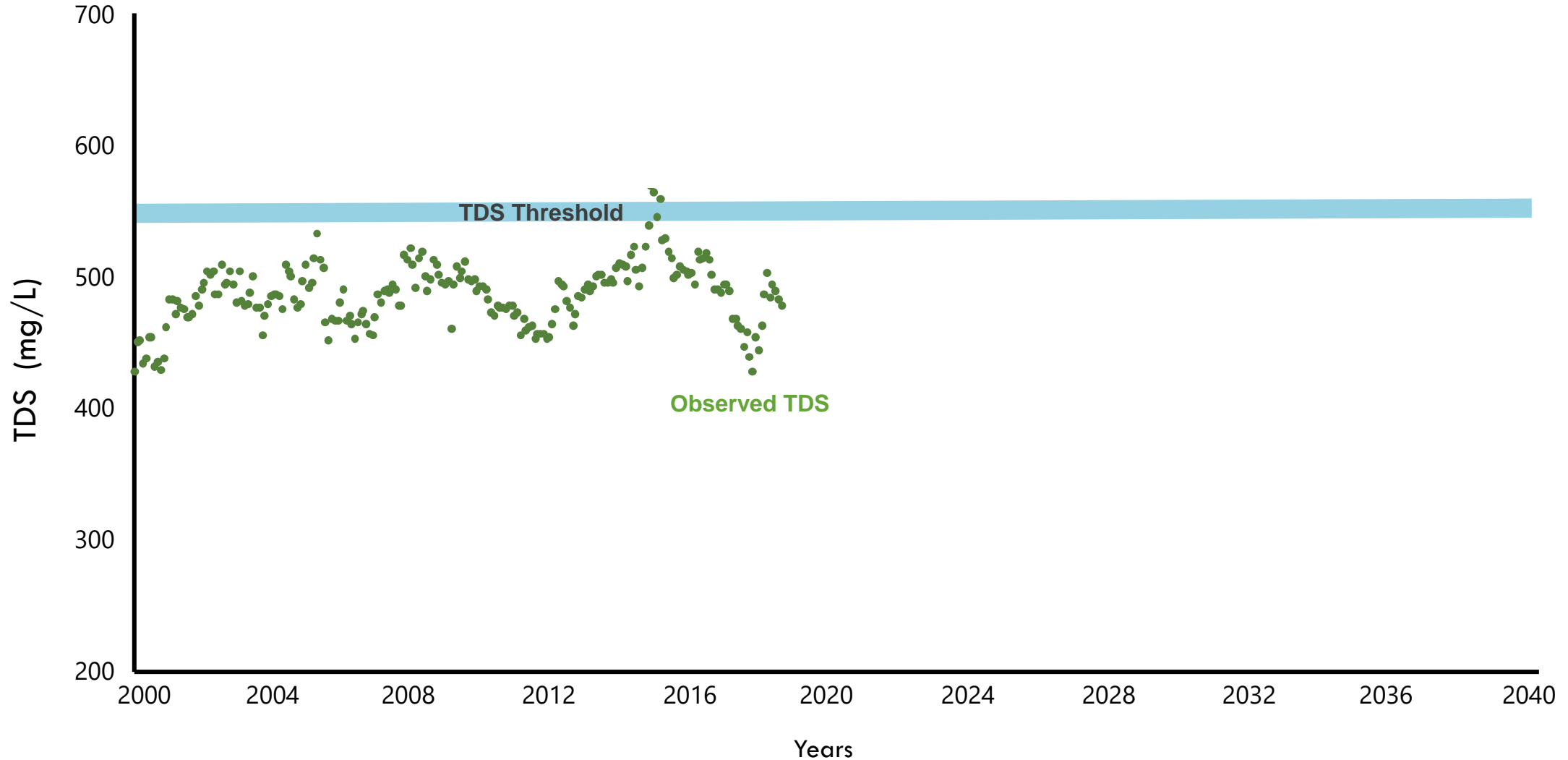
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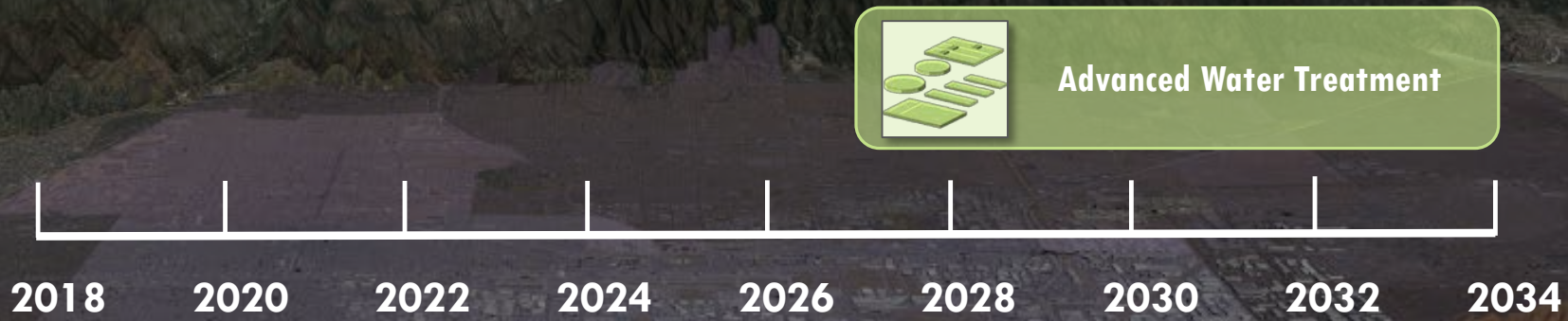
Quality

# CBP Reduces Salinity Risk





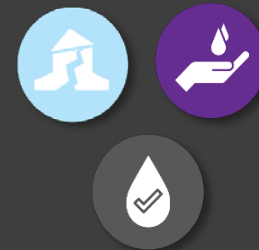
# CBP Expedites Benefits



**5** Projects eliminated from 10-Yr CIP & Funds Reallocated



**8** Years earlier



Reduce risk of subsidence, salinity issues, and supports water needs

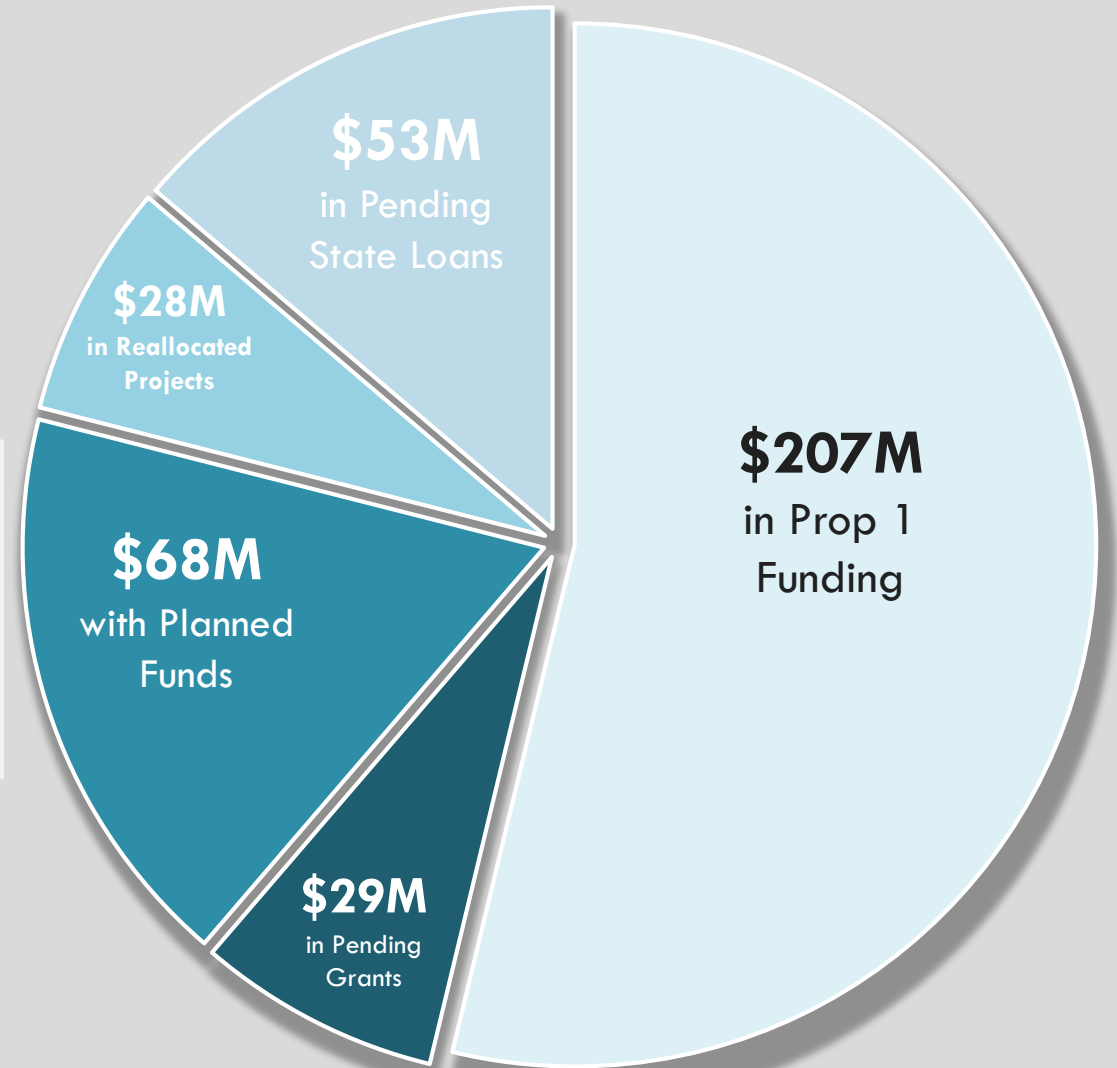


Cost

# Chino Basin Project Funds Identified

Grant Award Covers  
**54%** of Project  
Capital Costs

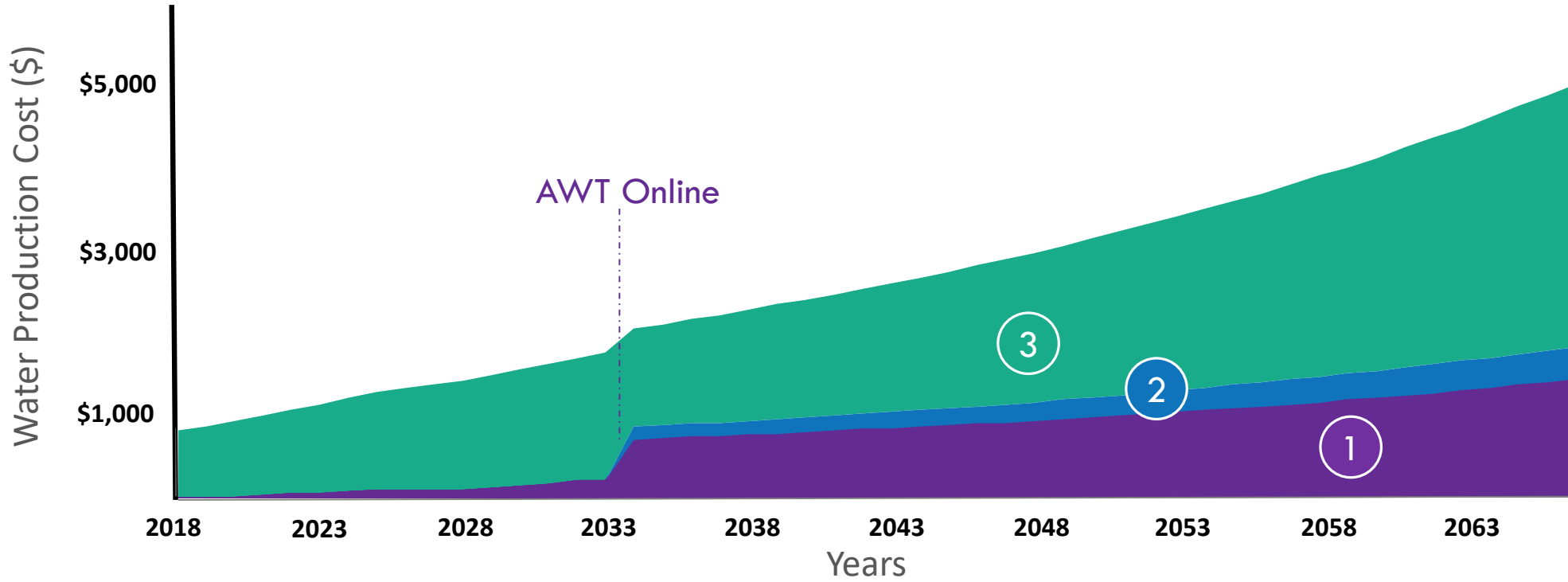
- Water Connection Fees
- Property Tax
- Local Funding





Cost

# No Project Option



1

AWT O&M

2

Groundwater

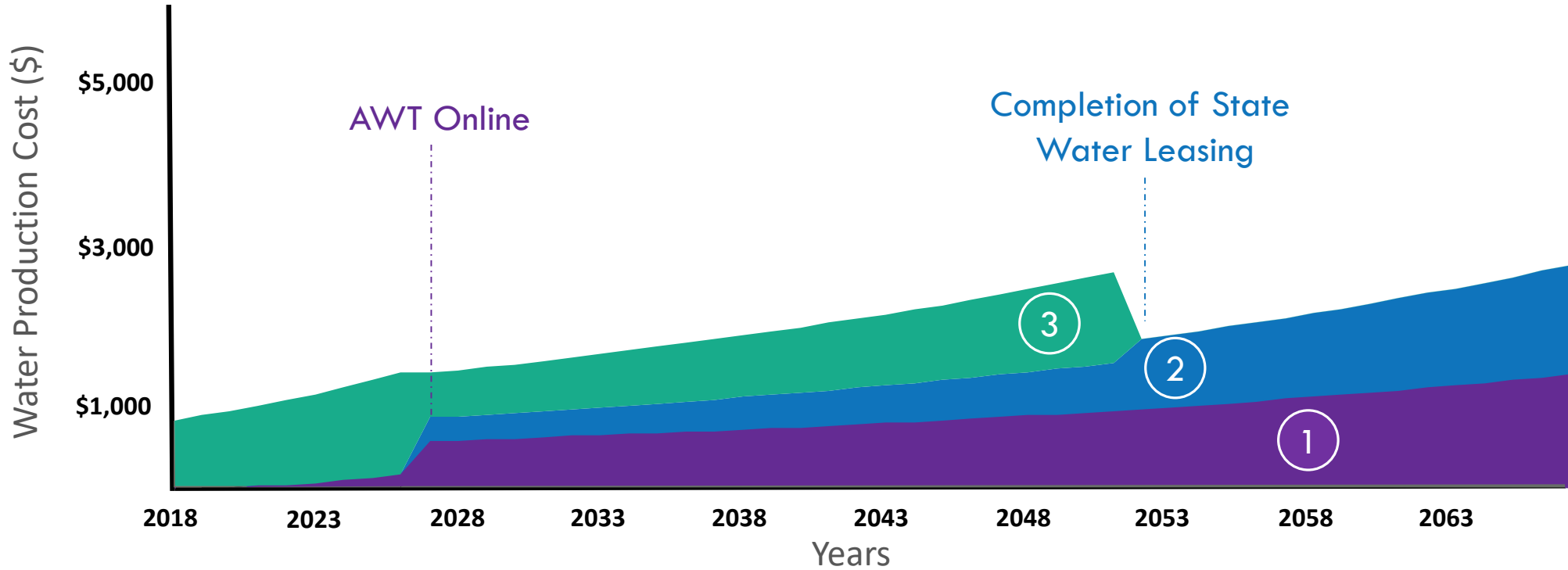
3

Imported Water



Cost

# CBP Water Production Cost Factors



1

AWT O&M

2

Groundwater

3

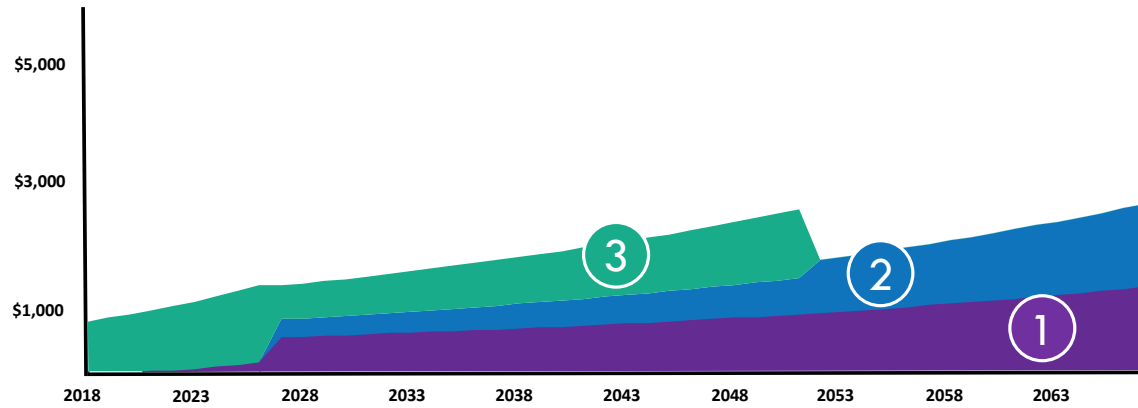
Imported Water



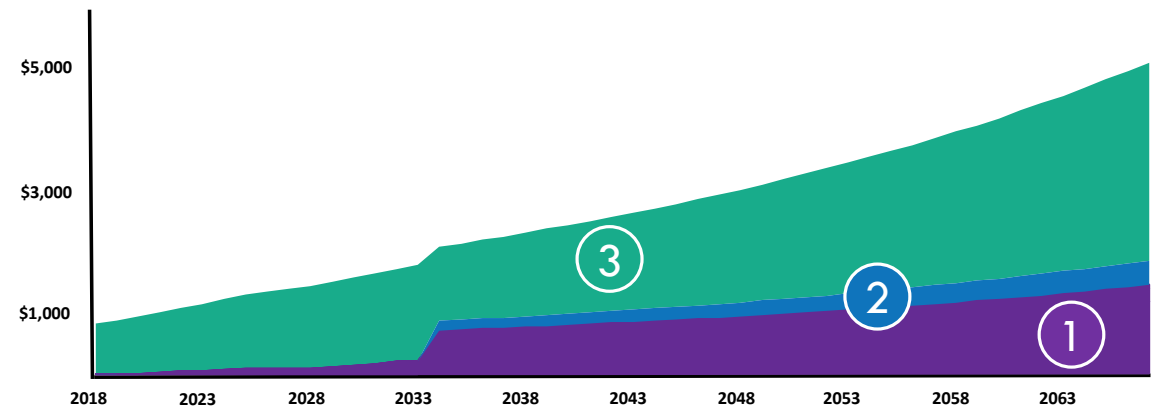
Cost

# CBP Production Cost Comparison

## With Chino Basin Project



## No Project Option



1

AWT O&M

2

Groundwater

3

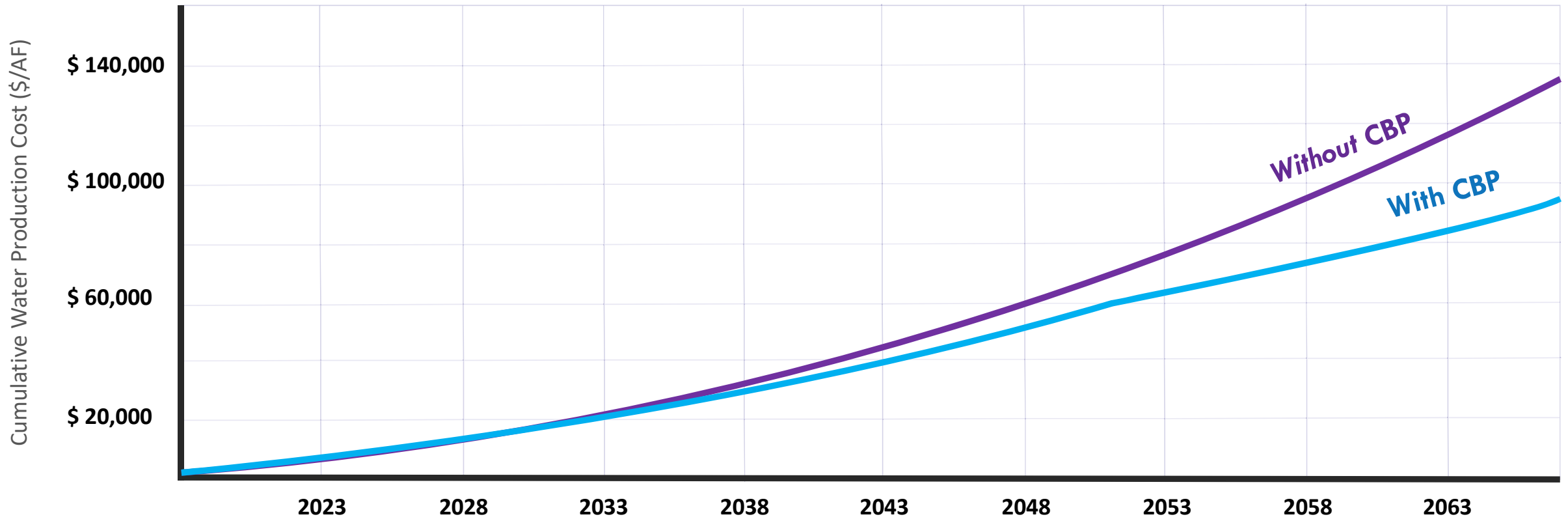
Imported Water





Cost

# CBP Cumulative Water Production Costs Significantly Less Over Time



Cumulative CBP Water Production Cost : Medium Demand Scenario

## With Chino Basin Project



**8 years earlier**



**26% cost savings;  
about \$401M**



**Increased local  
supplies**

## *Without Project*

**AWT Operations:**

2034 without CBP

**Long-range Water Supply Costs:**

Imported water costs versus  
cost-effective local supplies

**Imported Supplies:**

Continued dependence on state  
water supplies



# Chino Basin Project

— 1water forward ▶

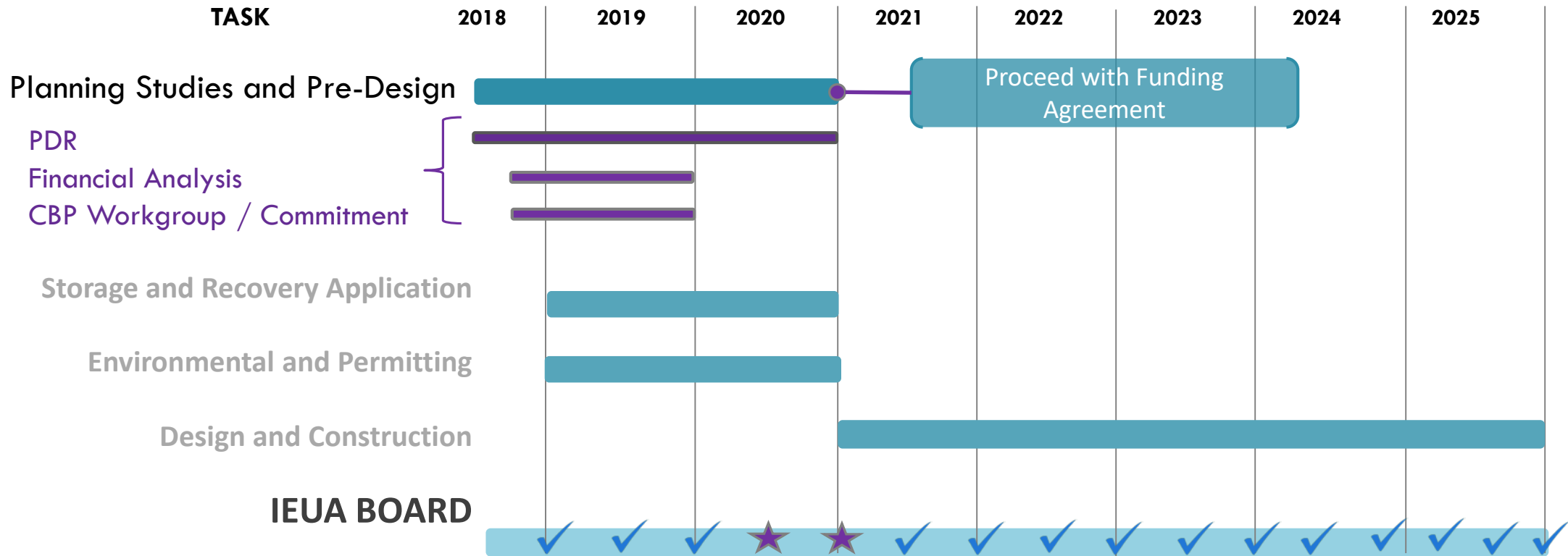
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# CBP Schedule / Next Steps

Schedule





# Board Consideration

- Initiate planning studies needed to meet California Water Commission's requirements.
- Establish project budget of \$6.3M for the Chino Basin Project.
- Funding sources from Property Taxes (\$3M) & Water Connection Fees (\$3.3M).
- No impact to current adopted rates or connection fees with this action.





# Chino Basin Project

**1water forward** ▶

Chino Basin Conjunctive Use Environmental  
Water Storage / Exchange Program

IEUA Board Workshop | November 7, 2018





**ACTION  
ITEM**

**2A**

**Date:** November 7, 2018

**To:** The Honorable Board of Directors

**From:** Halla Razak, General Manager

HR

**Committee:**

**Executive Contact:** Chris Berch, Executive Manager of Engineering/AGM

**Subject:** Chino Basin Project Budget Establishment

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**Executive Summary:**

In August 2017, Inland Empire Utilities Agency (IEUA) submitted a Proposition 1 Water Storage and Investment Program (WSIP) grant application for the Chino Basin Environmental Water Program (Chino Basin Project, CBP). In July 2018, the California Water Commission approved a maximum conditional funding in the amount of \$206.9M. In order to secure the final funding agreement, a Preliminary Design Report (PDR), agreements, permits and environmental documentation need to be completed. The PDR will evaluate the CBP through alternative analysis, siting and modeling of proposed Advanced Water Treatment facilities, groundwater injection and extraction wells, pipelines and partnering connections. The PDR will be prepared to define the CBP project scope of work, refine project costs and develop a Programmatic Environmental Impact Report (PEIR). The PDR needs to be completed by 2020 to ensure the remaining conditions of the final funding are met by 2021.

Staff recommends establishing a project budget of \$6.3M for the CBP. The sources of funding to support the project are \$3M from Property Taxes and \$3.3M from Water Connection Fees. The reallocation of these funding sources from existing projects to the CBP will have no impact to the adopted rates or connection fees.

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**Staff's Recommendation:**

Establish project number, PL19005, with a project budget of \$6.3M to support the development of the Chino Basin Project.

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**Budget Impact** Budgeted (Y/N): N Amendment (Y/N): N Amount for Requested Approval:

**Account/Project Name:**

The sources of funding are the reallocation of \$3M from Property Taxes and \$3.3M from Water Connection Fees.

**Fiscal Impact** (explain if not budgeted):

The reallocation of the Property Tax and Water Connection Fees from existing projects to the CBP will have no impact to the adopted rates or connection fees.

**Prior Board Action:**

On August 15, 2018, IEUA's Board of Directors approved a contract amendment to GEI Consultants, Inc., for a not-to-exceed amount of \$235,085, increasing the total contract amount to \$557,749 for support services of the CBP.

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**Environmental Determination:**

Not Applicable

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**Business Goal:**

The CBP supports IEUA's business goal of Water Reliability, of implementing an integrated water resources management plan providing a reliable and cost-effective water supply and promoting sustainable water use throughout the region.

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**Attachments:**

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