



Montclair Basins Improvement Project Stormwater for Recharge Pilot Program

Water Planning and Stewardship Committee

Item 7-8

June 7, 2021

Stormwater Pilot Programs

Direct Use Pilot Program



- Capture on-site
- Non-potable uses
- Cisterns

Recharge Pilot Program



- Capture on-site or from diversion system
- Potable use
- Replenish groundwater basins

Stormwater Recharge Pilot Program

Purpose



Study relationship between stormwater capture and water supply yield



Gather additional flow monitoring data for stormwater projects



Evaluate how Metropolitan can participate in stormwater recharge projects

Recharge Pilot Program Highlights



Board Approval

- November 2019 - \$7.5 million



Pilot Launch

- March 2020



Project Types

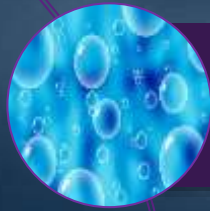
- New Construction: Up to \$1,000,000
- Monitoring Equipment Installation: Up to \$500,000

Recharge Pilot Program Criteria

Must have an estimated capture of at least 40 AFY

Must be new water supply

Must be in Metropolitan's service area



Must have right to capture water



Increases total recharge to a groundwater basin



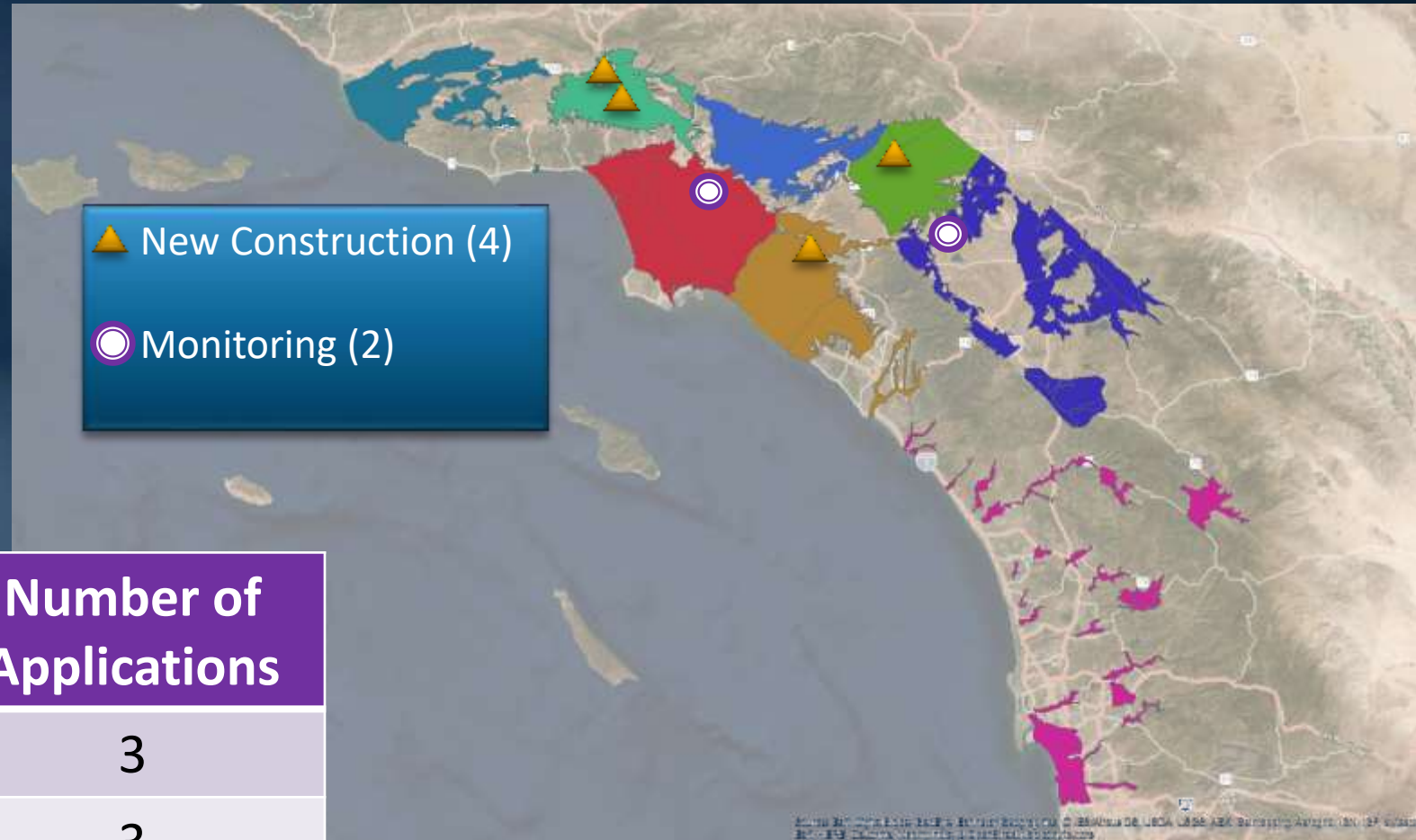
Does not impact downstream users

Pilot Program Criteria (cont.)

- No more than 5 projects from any Regional Board area
- No more than 2 projects per groundwater basin
- Additional projects will be placed on a waiting list



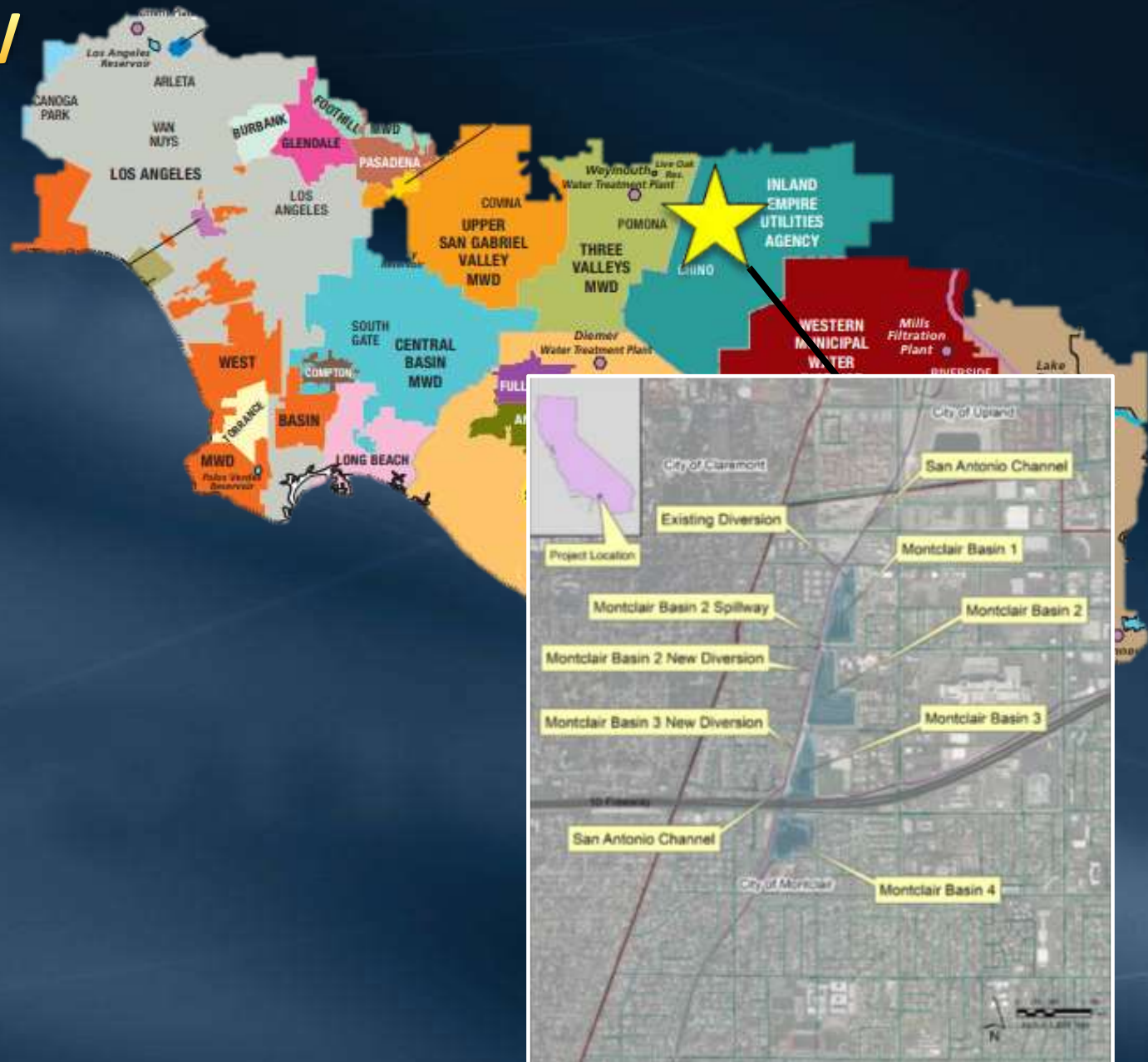
Applications Received to Date



Regional Board Area	Number of Applications
Los Angeles	3
Santa Ana	3
San Diego	0

Project Overview

- Retrofit of existing Montclair basins
 - Current recharge ~ 1,100-1,400 acre-feet per year
 - Repair spillway between Basin 1 and Basin 2
 - Construct 2 new diversions
- Chino groundwater basin
- Stormwater capture of additional 152 acre-feet per year



Proposed Project Tasks

- Task 1 – Construction
 - Construct two new diversion structures from the San Antonio Creek flood control channel
 - Repair the existing spillway
- Task 2 – Monitoring/Reporting
 - Monitor water levels
 - Report on modeling results
 - Evaluate increase in storage and groundwater production
 - Submit three annual monitoring reports

Agreement Terms

- Recharge Program criteria are met
- Performance Provisions:
 - Completion of construction
 - Monitoring period
 - Agreement term
- \$987,435 maximum Metropolitan contribution
 - Construction: \$837,435
 - Monitoring/Reporting: \$150,000

Board Options

Option #1:

- Review and consider the Lead Agency's approved Final EIR and Addendum and take related CEQA actions, and authorize the General Manager to enter into a Stormwater for Recharge Pilot Program Agreement with Inland Empire Utilities Agency for the construction and monitoring of the Montclair Basins Improvement Project

Board Options (cont.)

Option #2:

- Do not authorize execution of an agreement for the Project

Staff Recommendation

- Option #1

