



Authorize entering into a Stormwater for Recharge Pilot Program with Western Municipal Water District of Riverside County - Enhanced Monitoring of the Victoria Recharge Basin Project

Water Planning and Stewardship Committee  
Item #7-2

February 8, 2021

# Stormwater Pilot Programs

## Direct Use Pilot Program



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

## Recharge Pilot Program



- Capture on-site or from drainage 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

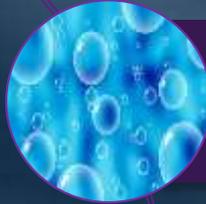


## Project Types

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

# Pilot Program Criteria

Must have an estimated capture of at least 40 AFY



Must have right to capture water

Must be new water supply



Increases total recharge to a groundwater basin

Must be in Metropolitan's service area



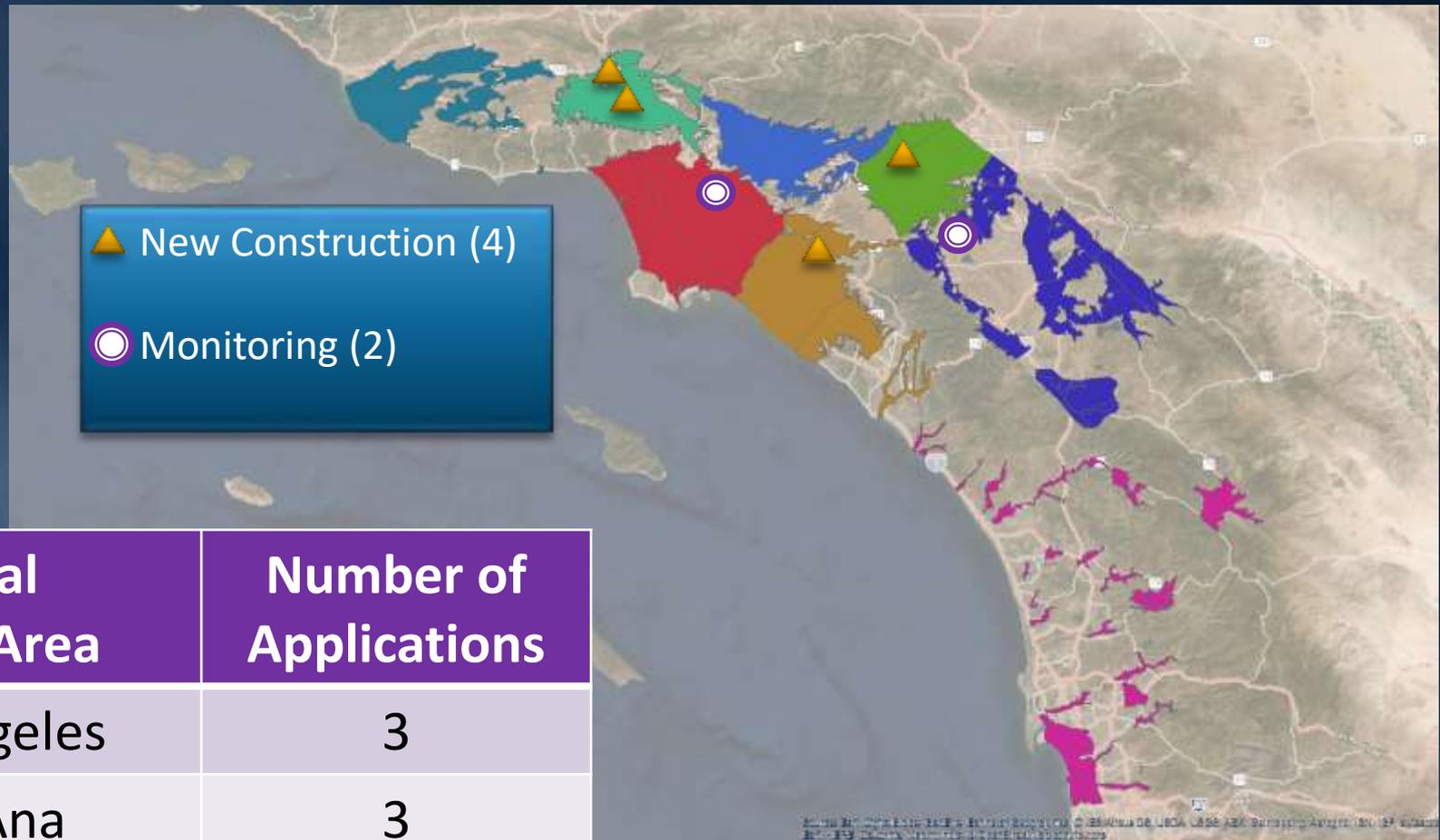
Does not impact downstream users

# 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



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# Western Municipal Water District of Riverside County Enhanced Monitoring of the Victoria Recharge Basin Project

# Project Overview

- Victoria Recharge Basin completed in January 2020

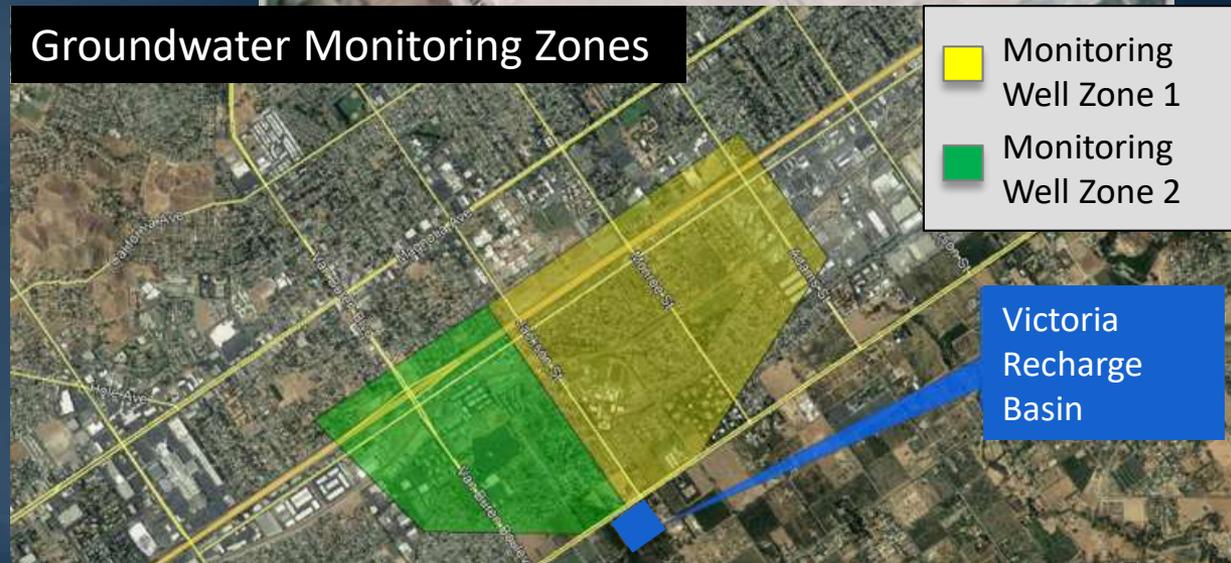
- Arlington groundwater basin

- Design capture of 3,500 acre-feet per year



# Project Details

- Proposed project includes additional flow meters and sensors
- Improvements will provide monitoring data and increase efficiency



# Proposed Project Tasks

- Task 1 – Monitoring Equipment Installation
  - Installation of meters and sensors
  - Construct new monitoring well
  - Perform groundwater modeling
- 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 project criteria are met
- Performance Provisions:
  - Completion of installation
  - Monitoring period
  - Agreement term
- \$500,000 maximum Metropolitan contribution
  - Installation: \$350,000
  - Monitoring/Reporting: \$150,000

# Board Options

## Option #1:

- Review and consider the Lead Agency's approved and adopted Final MND and Addendum and take related CEQA actions and authorize the General Manager to enter into a Stormwater for Recharge Pilot Program Agreement with Western Municipal Water District of Riverside County for the Enhanced Monitoring of the Victoria Basin Recharge Project

# Board Options (cont.)

## Option #2:

- Defer consideration of agreement until completion of the 2020 Integrated Resources Plan

## Option #3:

- Do not authorize execution of an agreement for the Project

# Staff Recommendation

- Option #1

