# Authorization of the Stormwater for Recharge Pilot Program

Water Planning and Stewardship Committee
Item 8-3
November 4, 2019

# Outline for Proposed Stormwater Recharge Pilot

- Purpose
- Prior Discussions and Feedback Received
- Proposed Stormwater Recharge Pilot Criteria

# Purpose

Study the 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

# Prior Discussions & Feedback Received

- C&LR Committee
- WP&S Committee
- Member Agency Managers

Consider longer monitoring period

Consider limiting projects by Regional Board areas and groundwater basins

Consider including technical assistance

Include strong indemnification language

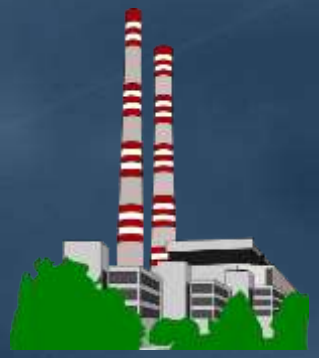
Consider program criteria modifications

# Proposed Stormwater Recharge Pilot Criteria

# Stormwater Recharge Pilot

## Proposed Eligibility Requirements

- Open to all member agencies
  - Non-MWD agencies must partner with MAs
- Public/private sites (non-residential)
- New construction or monitoring equipment installation projects


# Stormwater Recharge Pilot

## Proposed 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

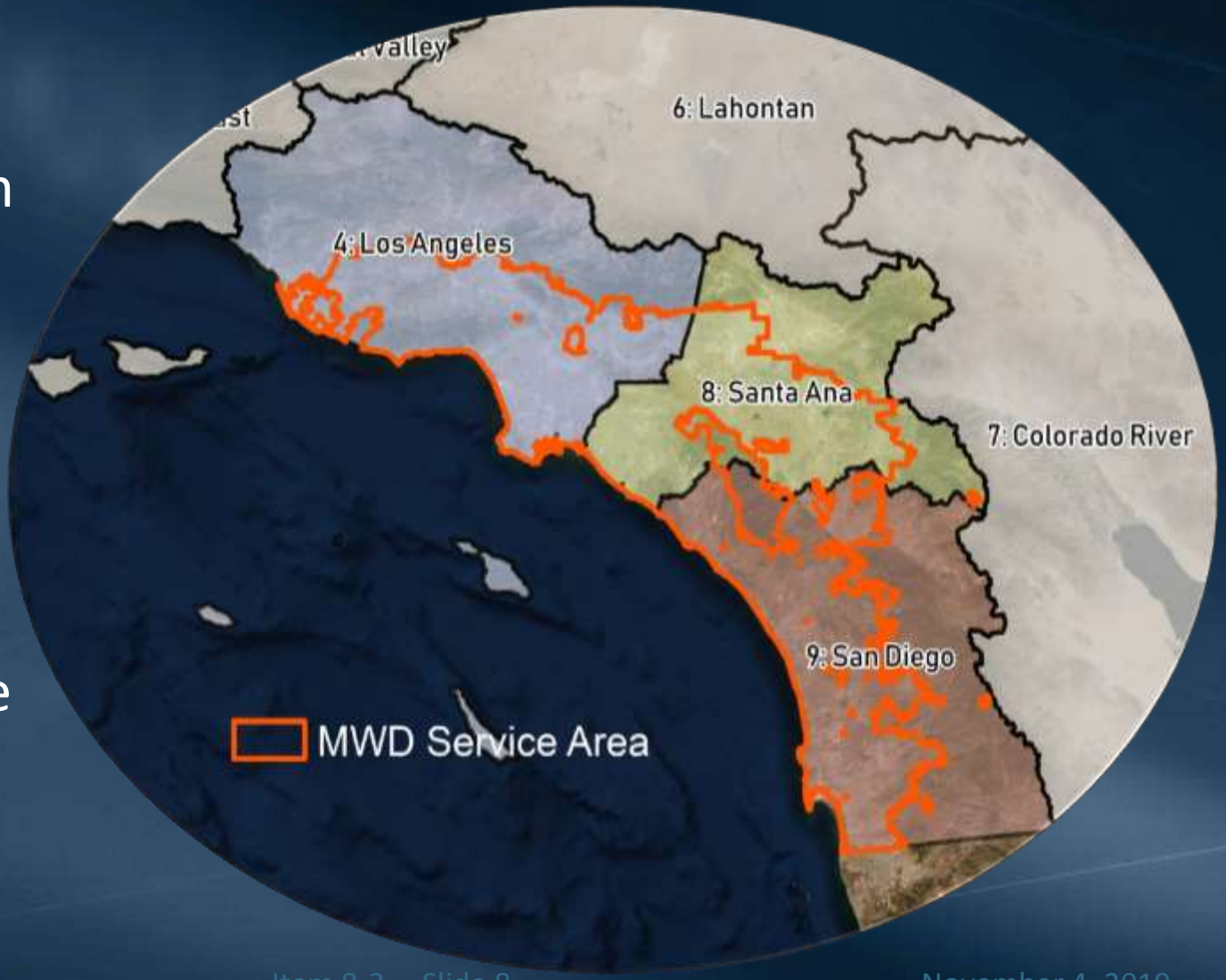
Increases total recharge to a groundwater basin

Does not impact downstream users

# Stormwater Recharge Pilot

## Proposed Project Criteria – Regional Distribution

- 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



# Stormwater Recharge Pilot

## Proposed Program Criteria – Monitoring

| Measure capture and recharge | Demonstrate how stored water recharges groundwater | Show how production increases |
| --- | --- | --- |
| • Minimum of 3 years of monitoring | • Monitoring wells<br>• Lysimeters<br>• Groundwater modeling | • Identify wells that would pump water<br>• Show reduced imported water need |

# Pilot Program Elements

## Proposed Budget

- Up to 10 projects
- $7.5 million
- Maximum of $1 million per new construction project
- Maximum $500,000 per monitoring retrofit installation

## Proposed Duration

- Anticipated start: March 2020
- New project construction duration: up to 3 years
- Retrofit monitoring installation:  up to 1 year
- Minimum monitoring for all projects: at least 3 years
- Annual reporting

# Proposed Funding Structure

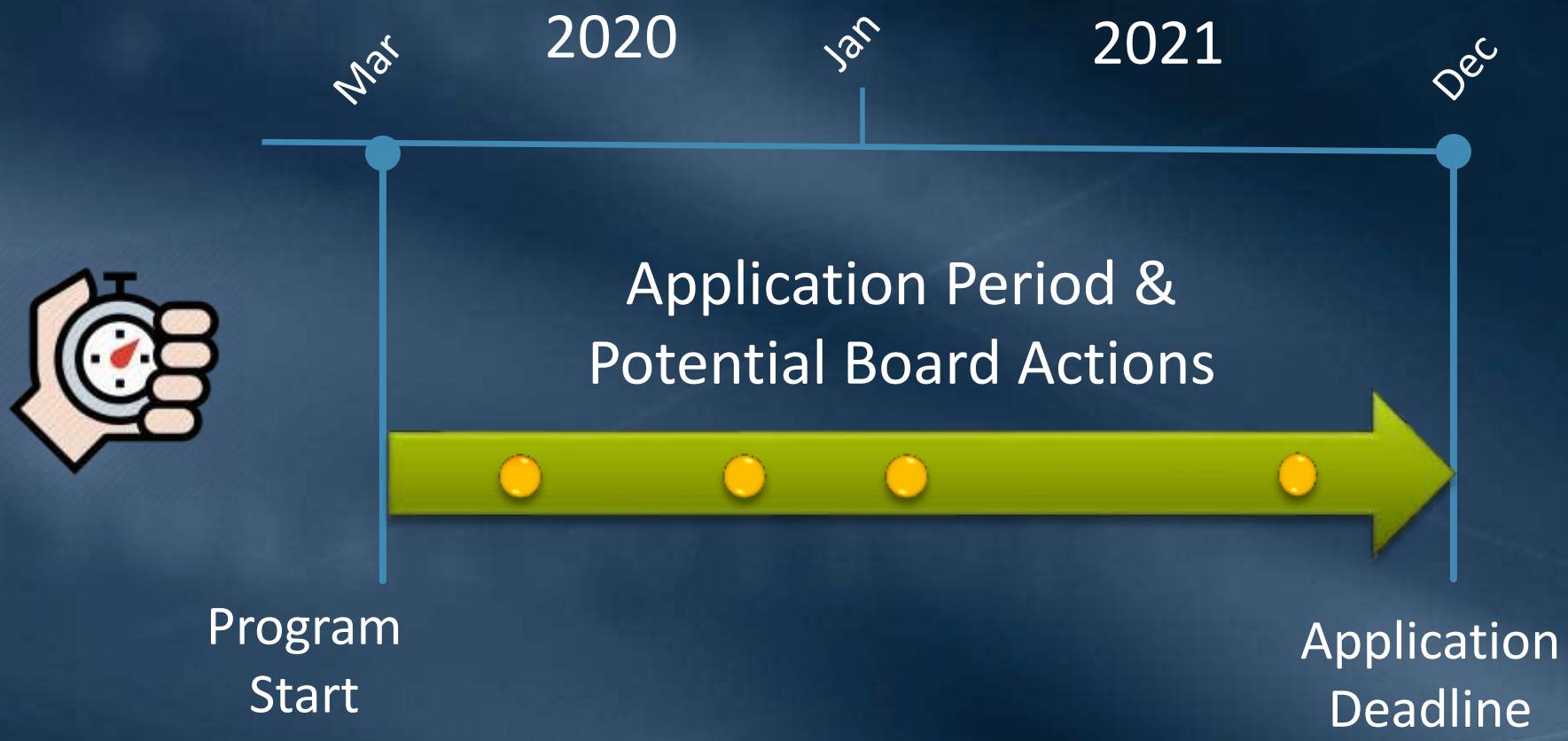
| Project Type | Funding Components | |
|---|---|---|
| | **Installation and Construction** | **Monitoring and Reporting** |
| **Monitoring Equipment Installation** | Up to $350,000 for eligible costs (material, construction, and groundwater modeling studies) | $50,000/report |
| | **Capped at $500,000** | |
| **New Construction** | Up to 50% reimbursement of eligible costs (material, construction, and groundwater modeling studies) | $50,000/report |
| | **Capped at $1,000,000** | |

# Proposed Selection Process

- Only those projects that meet the program criteria will be considered for funding
- Projects that meet the program criteria will be recommended for funding on a first-come, first-served basis per Regional Board area and groundwater basin
  - Once the maximum number of amount of project applications are received, additional projects will be placed on a waiting list
- Projects above GM's authority or not exempt from CEQA brought to Board for authorization

# Stormwater Recharge Pilot

## Proposed Application Period

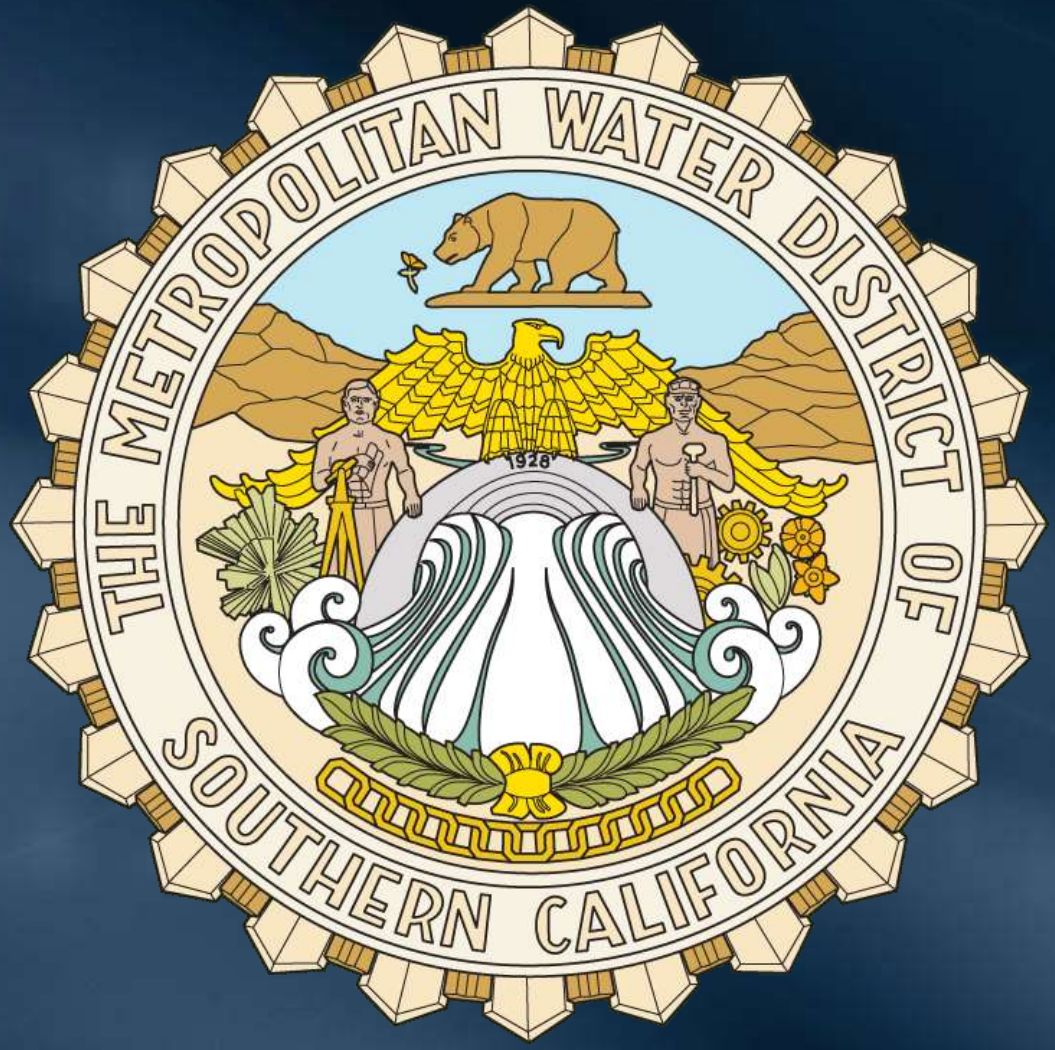


# Board Options

- Option #1
  - Authorize $7.5 million for the Stormwater for Recharge Pilot Program for developing and monitoring of stormwater capture for recharge projects consistent with the program criteria
- Option #2
  - Do not authorize $7.5 million for the Stormwater for Recharge Pilot Program

# Staff Recommendation

- Option #1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