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Bay Area Chapter Meeting

August 21, 2015

Drought Now Californians' Top Concern Poll Finds



WRCA Priority Issues

- CA Legislation
- Potable Reuse Communications --Outreach
- Advisory and Expert Panel Activities
- Non-Potable Regulatory Activities

2015 Recycling Related Legislation

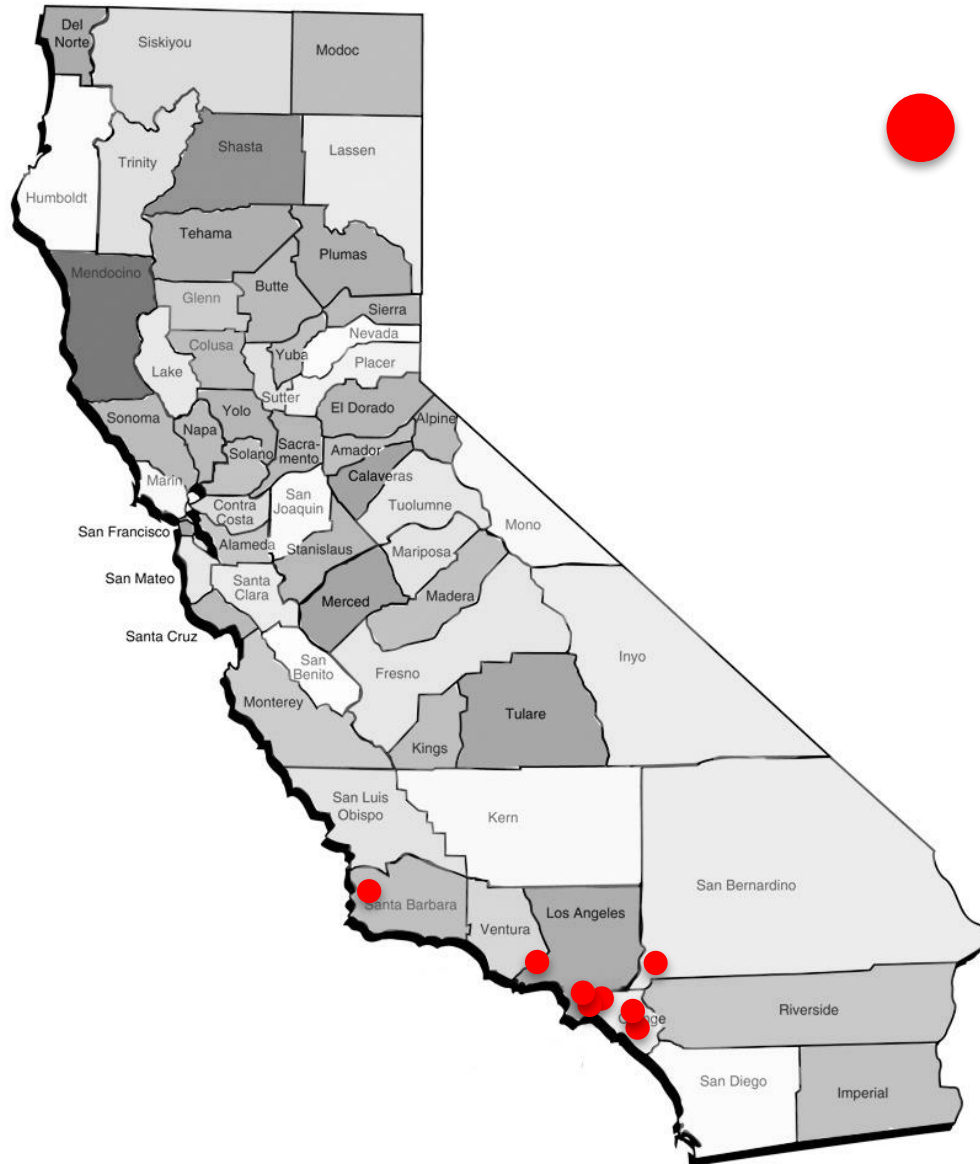
- Budget – CEQA RW IPR Pipelines
- AB 606 (Levine) State Properties RW
- AB 888 (Bloom) Ban on Microbeads
- AB 1463 (Gatto) Onsite Gray Water



Potable Reuse Outreach

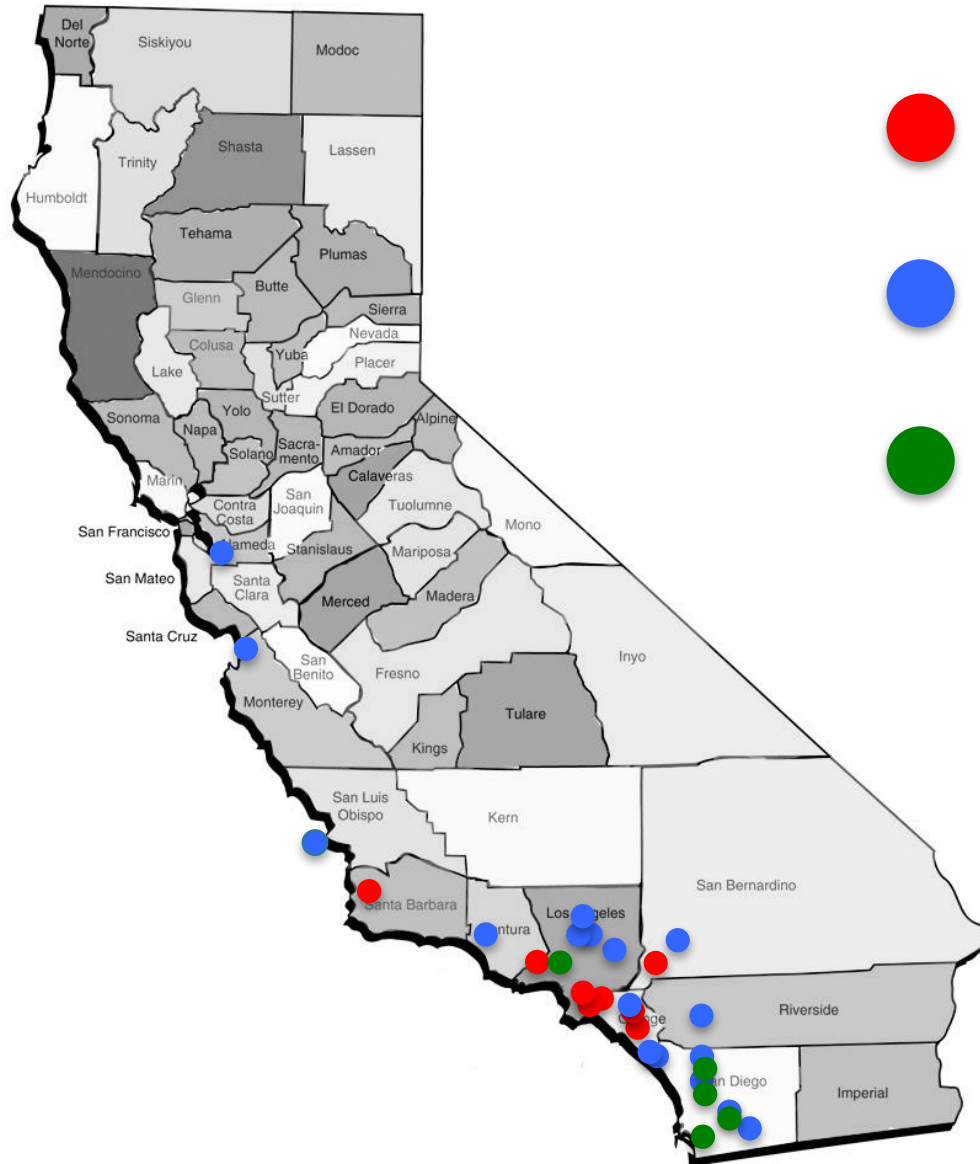
- SWRCB and DWR
- Media
- California Legislature
- Statewide Environmental Groups
- Allied Associations

California Potable Water Reuse Projects



PERMITTED GROUNDWATER (8)
Existing \approx 200,000 AFY \sim 1.6 M People

California Potable Water Reuse Projects



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PLANNED GROUNDWATER (17)

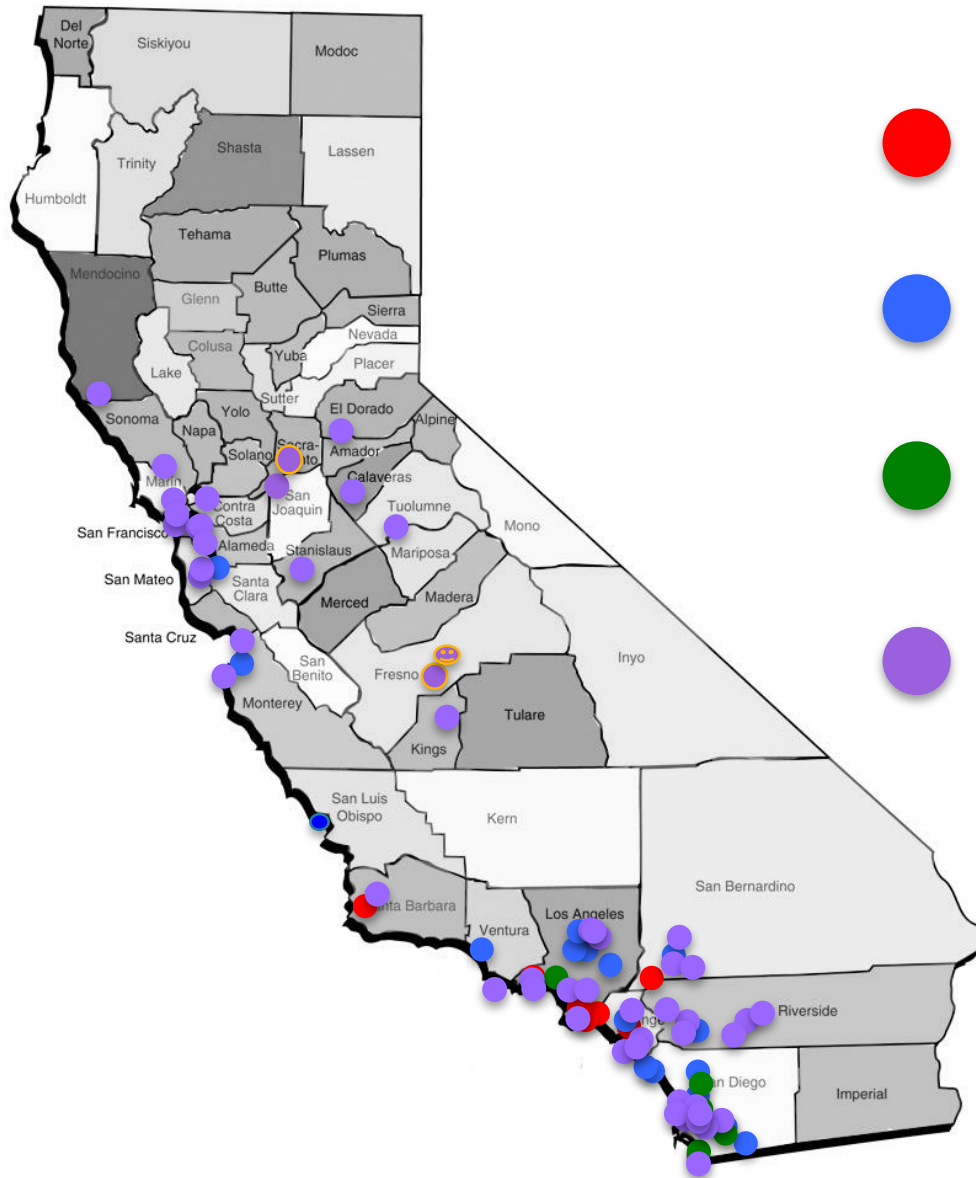
Planned \approx 225,000 AFY \sim 1.6 M People



PLANNED SURFACE WATER AUGMENTATION (6)

Planned \approx 100,000 AFY \sim 800,000 People

California Potable and Non-Potable Water Reuse Projects



- PERMITTED GROUNDWATER (8)**
Existing $\approx 200,000$ AFY ~ 1.6 M People
- PLANNED GROUNDWATER (17)**
Planned $\approx 225,000$ AFY ~ 1.6 M People
- PLANNED SURFACE WATER AUGMENTATION (6)**
Planned $\approx 100,000$ AFY $\sim 800,000$ People
- NON-POTABLE WATER RECYCLING PROJECTS (141)**
Planned $\approx 300,000$ AFY ~ 2.4 M People

Potable Reuse Still Faces Local Opposition



(Steven DeCinzo)

SB 918 Expert Panel

◆ = Meeting
▶ = Deadline

Advisory Panel:

Panel:

Expert Panel:

DPR Research:

Legislated Dates:

Draft Expert Panel DPR Report ▶

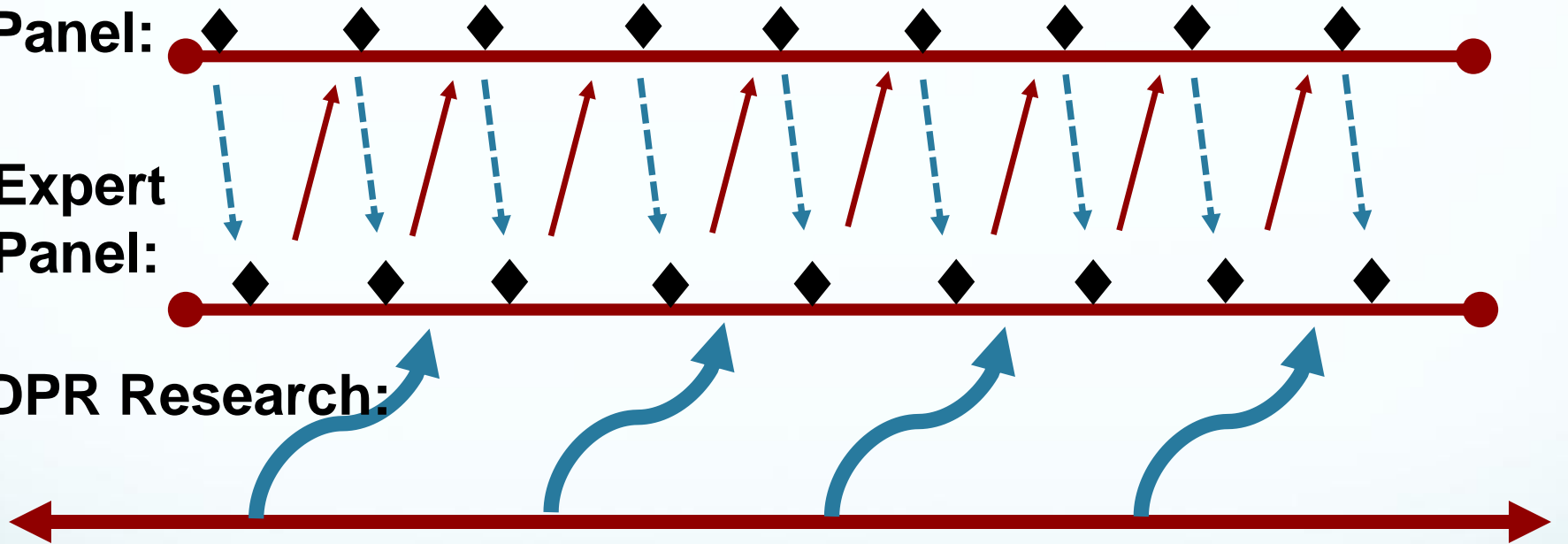
Final Report on DPR Feasibility ▶

2014

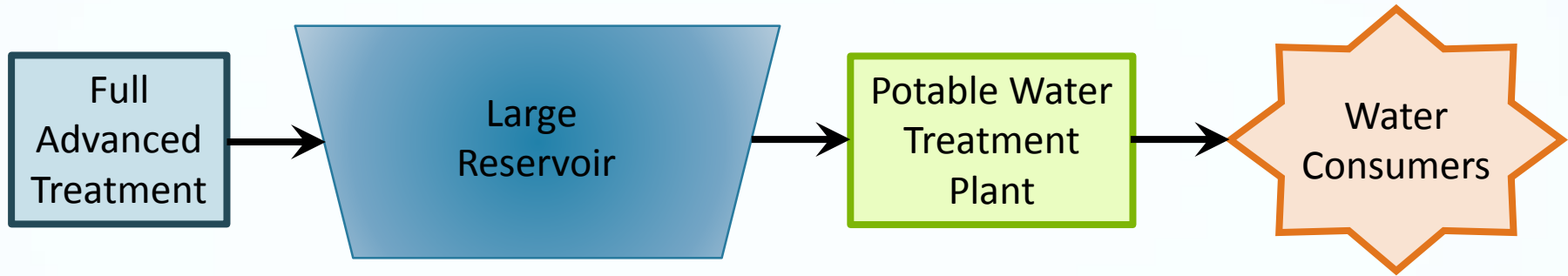
2015

2016

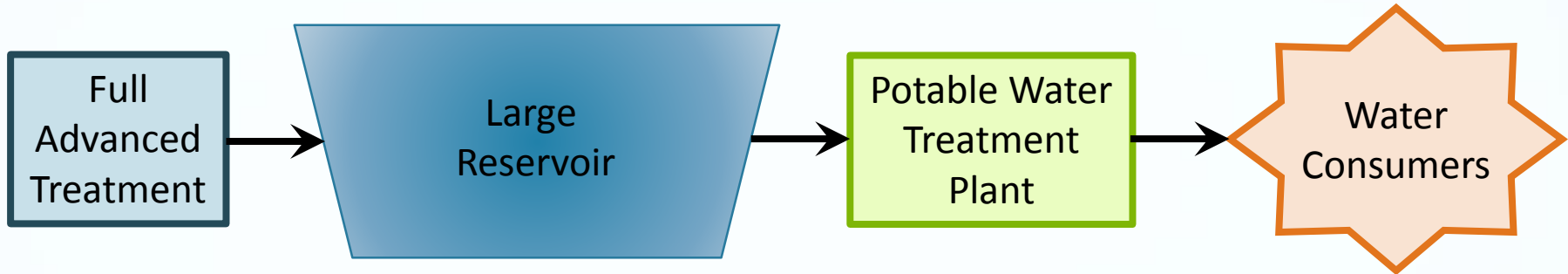
2017



Reservoir Augmentation



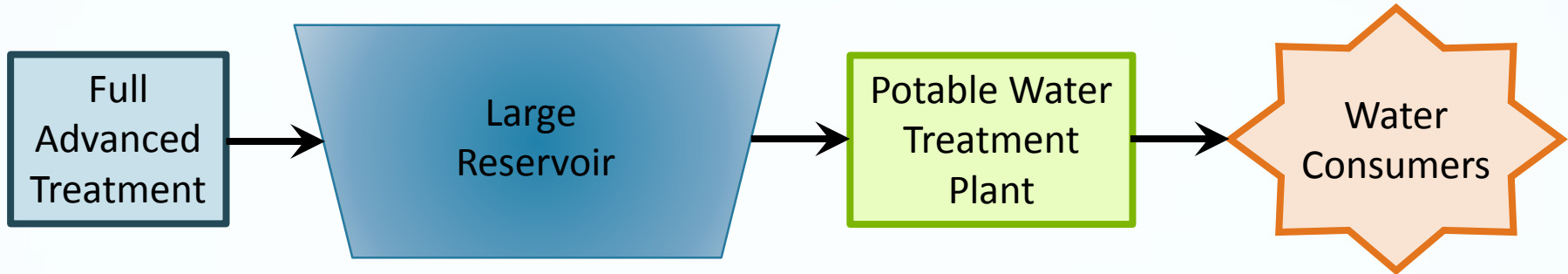
Reservoir Augmentation



- Retention time:
 - At least 6 months
- Dilution & mixing options:
 - 99-to-1 dilution, or
 - 9-to-1 dilution with +1-log treatment

DRAFT

Reservoir Augmentation



- Retention time:

- At least 6 months

DPR needs to eliminate the need for dilution and retention time!

- Five engineering options:

- 10-to-1 dilution, or

- 9-to-1 dilution with +1-log treatment

General Order RW

Redux 2015

- SWRCB-GO wants increased participation in the Order
- 25+ participants to date (Many in San Diego for fill stations)
- Generally unwilling to model off of Bay Area Regional Permit – SFBRWQCB 96-011
- Gives some regions additional options with RWQCBs
- Must remain opt-in order

WRCA Working Group

- Major issues:
 - Reporting of agronomic rates
 - Monitoring and reporting priority pollutants
 - Adopted Salt Management Plan
 - Required consultation to add new users
 - Move from WRD to WRR

Title 22 Proposed Changes

- Working on changes since 2009
- Title 22: Expand uses of RW
- Dual Plumbed RW system (allow snack bars and cafeteria)
 - Allow hose bibs and quick couplers



WRCA-CalTrans Collaboration



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