Stanislaus County Water Agricultural Advisory Board

August 5, 2019
The Hydro-Ilogical Cycle

Apathy

Drought

Awareness

Panic & Concern

Rain & Snow
Status Update Regarding Compliance with the Sustainable Groundwater Management Act (SGMA) in Stanislaus County
Sustainable Groundwater Management Act (2014)

- Agencies electing to become GSAs are given broad powers and authority regarding groundwater management, including:
  - Develop and Implement Groundwater Sustainability Plans (GSPs)
    - 50 Year Planning Horizon
    - 20 Year Implementation Period
    - 5 Year Updates
    - 1 Year Reporting
  - Investigate and determine the sustainable yield of a groundwater basin
  - Collect pertinent groundwater monitoring information
  - Enforcement
Important Milestones

- **GSA formation deadline June 30, 2017**

- **GSP adoption deadline:**
  - January 31, 2020 (critical condition of overdraft)
  - January 31, 2022 (high & medium priority basins)

- If those deadlines are missed, or if the DWR determines that a plan is not adequate to achieve the sustainability goal, the State Water Resources Control Board ("Board") will have the ability to step in and impose its own "interim" plan until an acceptable local plan is in place.
Stanislaus County Groundwater Basins

*Eastern San Joaquin

*Delta-Mendota

*Denotes Critical Condition of Overdraft
Stanislaus County Water Agencies
Eastern San Joaquin Groundwater Basin GSAs
Eastern San Joaquin Subbasin GSAs

- City of Lodi
- City of Manteca
- City of Stockton
- Linden CWD
- Stockton East WD
- Central Delta Water Agency
- South Delta Water Agency
- Central San Joaquin Water Conservation District
- North San Joaquin Water Conservation District
- *Eastside San Joaquin GSA*
Modesto Groundwater Basin
Stanislaus & Tuolumne Rivers Groundwater Basin Association GSA

City of Modesto
City of Oakdale
City of Riverbank
City of Waterford

Oakdale ID
Modesto ID
Stanislaus County
Tuolumne County*

*Formed separate GSA and “linked” to STRGBA via separate Cooperation Agreement with Stanislaus County
West Turlock Subbasin Agencies

Exhibit B
West Turlock Subbasin GSA

- City of Ceres
- City of Hughson
- City of Modesto
- City of Turlock
- Denair CSD

Turlock Irrigation District
Merced County
Stanislaus County
Delhi County Water District
Hilmar County Water District

- Associate Members:
  - Keyes CSD
  - City of Waterford
East Turlock Subbasin GSA
East Turlock Subbasin GSA

• Eastside WD
• Ballico-Cortez WD
• Merced Irrigation District
• Merced County
• Stanislaus County
• City of Turlock *

• * Associate Member
Delta-Mendota Subbasin – Northern Group
Delta-Mendota Groundwater Basin – Northern Group GSAs

City of Patterson
Del Puerto WD
West Stanislaus ID
Patterson ID

Northwestern Delta-Mendota GSA

Merced & Stanislaus Counties
Summary of GSA Formation and GSP Preparation

Delta-Mendota Subbasin
  Multiple-GSAs/Multiple GSPs (*Formal “Coordination Agreement”*)
  Northwestern Delta-Mendota GSA (MOU)

Turlock Subbasin
  2 GSAs/1 GSP
  East Turlock & West Turlock GSA (JPAs)

Modesto Subbasin
  1 GSA/1 GSP
  Stanislaus & Tuolumne Rivers Groundwater Basin Association GSA (MOU)

Eastern San Joaquin Subbasin
  Multiple-GSAs/1 GSP
  Eastside San Joaquin Groundwater Authority (JPA)
**Current Activities**

- All GSAs made June 30, 2017 deadline
- Each of the four basins gained approval for State grants
  - Eastern San Joaquin & Delta-Mendota = $1.5 million
  - Modesto & Turlock = $1.0 million
- GSPs are under preparation (*Substantial Compliance*)
  - Land Use/ Water Use data collection (baseline, existing and forecasted)
  - Basin Hydrologic Conceptual Model (HCM) and cross-sections
  - Various groundwater models being used for Water Budget
  - Project List (managed recharge) and Potential Funding
- Public Drafts released mid-summer 2019 for ESJ and D-M basins
- Individual agency review and approval targeted for December 2019
- January 31, 2020 filing deadline with DWR (Mod/Tur => 2 years later)
Questions & Discussion
Stanislaus County Well Permitting Program Activity Status
Stanislaus County
Agricultural-Irrigation Water Well Permits Issued
by Category
January 2015 - December 2018

- SW Supplementation: 394 (79%)
- CEQA: 3 (1%)
- De Minimis Extractor: 40 (8%)
- Replacement: 62 (12%)
Breakdown by Year

- **2015:**
  - CEQA: 1
  - De Minimis Extractor: 21
  - Replacement: 20
  - SW Supplementation: 195

- **2016:**
  - CEQA: 11
  - De Minimis Extractor: 12
  - Replacement: 95
  - SW Supplementation: 1

- **2017:**
  - CEQA: 1
  - De Minimis Extractor: 5
  - Replacement: 54
  - SW Supplementation: 1

- **2018:**
  - CEQA: 1
  - De Minimis Extractor: 3
  - Replacement: 11
  - SW Supplementation: 50
Questions & Discussion