California’s Groundwater Management

Agriculture

Environment

Drinking Water

Businesses
In dry years, up to 60% of California’s supply comes from groundwater.
SGMA Timeline

2012  2012-2016 Drought

2014  SGMA signed into law

515 Basins
94 High & Medium Priority Basins
21 Critically Overdrafted Basins

Priority:
- Groundwater Basins
- High
- Medium
- Low
- Very-Low
- Critically Overdrafted Basins
SGMA Timeline

2012-2016 Drought

SGMA signed into law

SGMA Overview

Local Control

Sustainability

Avoid Six Undesirable Results

- Lowering of GW Levels
- Reduction of GW Storage
- Seawater Intrusion
- Degraded Water Quality
- Land Subsidence
- Depletion of Interconnected Streams
SGMA Timeline

2012-2016 Drought

SGMA signed into law

SGMA Rulemaking

California Water Commission Approved Two Regulations

- Basin Boundary Regulations (Oct. 2015)
- GSP Regulations (May 2016)
SGMA Timeline

- 2012-2016 Drought
- SGMA signed into law
- SGMA Rulemaking

Groundwater Sustainability Plans

Who
- Administrative Information

What
- Basin Setting

Where
- Sustainable Management Criteria
  - Monitoring Network

How
- Projects & Management Actions

GSP
## SGMA Timeline

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>2012-2016 Drought</td>
</tr>
<tr>
<td>2014</td>
<td>SGMA signed into law</td>
</tr>
<tr>
<td>2016</td>
<td>SGMA Rulemaking</td>
</tr>
<tr>
<td>2017</td>
<td>Agency Formation</td>
</tr>
</tbody>
</table>

>250

Groundwater Sustainability Agencies Formed by June 30, 2017

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### Map Details

- **Number of GSAs per basin/subbasin**
  - 0
  - 1
  - 2 - 4
  - 5 - 8
  - 9 - 12
  - 13 - 16
  - 23

- **Legend**
  - Hydrologic region
SGMA Timeline

2012-2016 Drought

2014
SGMA signed into law

2016
SGMA Rulemaking

2017
Agency Formation

2020
GSP Submittals, Rnd 1

2021
Initial GSP Assessments

2022
GSP Submittals, Rnd 2

- Submitted GSPs
- Alternative GSPs
- 2022 GSPs

SGMA Timeline

2012-2016 Drought

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2020
GSP Submittals, Rnd 1

2021
Initial GSP Assessments

2022
GSP Submittals, Rnd 2

Groundwater Sustainability Plans Submitted by January 31, 2020

46

- Submitted GSPs
- Alternative GSPs
- 2022 GSPs

GSPs Per Basin:

1 2 3 4 5 6 7
SGMA Regulatory Pathways for GSP Evaluation

DWR releases Final Assessments, which includes:
- Cover Letter
- Statement of Findings
- Assessment

DWR/SWRCB Consultation

Approved

DWR recommends Corrective Actions

Local GSP Implementation

Inadequate

SWRCB Intervention

DWR requires Corrective Actions and GSA has 180 days to address deficiencies

DWR/SWRCB Consultation

Approved

DWR recommends Corrective Actions

Local GSP Implementation
Assessment Release Approach

GSAs Implementing Local Projects & Management Actions

Annual Reporting – Data and Implementation Progress

2020 (2021) 2022

- Initial GSP Due
  - COD Basins – 2020
  - High & Medium Priority Basins – 2022

2025/2027

- 5-Year Plan Update

2030/2032

- 5-Year Plan Update

2035/2037

- 5-Year Plan Update

2040/2042

- Sustainability Goal Reached
  - COD Basins – 2040
  - High & Medium Priority Basins – 2042

Critical decision-making year on first GSPs

State Technical, Planning, & Financial Assistance
SGMA Assistance – To Date

• Since 2015 DWR has provided ~$180M in assistance to support locals with SGMA implementation:

  • Planning Assistance (~$10M to date)
    • Basin POCs
    • Facilitation Support
    • Written Translation Services

  • Technical Assistance (~$20M to Date)
    • Technical Support Services
    • Data and Tools

  • Financial Assistance (~$150M to Date)
    • Sustainable Groundwater Management (SGM) Planning Grant Program

https://water.ca.gov/Programs/Groundwater-Management/Assistance-and-Engagement
SGMA Assistance – Future

• Another ~$200M in assistance will be provided over the next four years which will be continually refined to respond to local needs:

  • Planning Assistance (~$8M over next 4 yrs)
    • Basin POCs
    • Facilitation Support
    • Written Translation Services

  • Technical Assistance (~$90M over next 4 yrs)
    • Technical Support Services
    • Data and Tools

  • Financial Assistance (~$100M over next 4 yrs)
    • SGM Implementation Grant Program

https://water.ca.gov/Programs/Groundwater-Management/Assistance-and-Engagement
Closing

- Projects and Actions
  - GSA’s Have New Powers and Authorities
- Monitoring and Adapting
  - Fill Data Gaps
  - Track Performance
  - Improve Understanding
- Coordination and Alignment
  - Local to Regional Management
  - Engagement