Complying with SGMA leaves us with some near-term future uncertainties

Avoid Six Undesirable Results

- Lowering
- Reduction
- Seawater
- Degraded
- GW Levels
- Intrusion
- Quality
- Land
- Subsidence
- Surface Water
- Depletion
Our roots are in the Water Forum

• By 1980s, the conflict between increased water diversions for public supply and meeting the needs of the environment in the lower American River came to a head
• In 1993, stakeholders throughout the region agreed to come together in the Water Forum to resolve that conflict
• In 2000, the Water Forum Agreement was signed
The challenges to sustainable groundwater were pervasive.
SGA formed with a purpose

SGA formed to:

- maintain the long-term sustainable yield of the North Area Basin
- ...facilitate implementation of an appropriate conjunctive use program by water purveyors
- ...devise and implement strategies to safeguard groundwater quality
- work collaboratively with other entities...to promote coordination of policies and activities throughout the region
For success, SGA needed to be inclusive

**SGA Board Position**  
*California American Water***  
Carmichael Water District  
Citrus Heights Water District  
City of Folsom  
City of Sacramento  
Del Paso Manor Water District  
Fair Oaks Water District  
*Golden State Water Company***  
*Natomas Central Mutual WC***  
*Orange Vale Water Company***  
Río Linda/Elverta Community WD  
Sacramento County Water Agency  
Sacramento Suburban WD  
San Juan Water District  
*Agricultural Representative***  
*Self-Supplied Representative***

**Appointing JPA Signatory**  
Sacramento City Council  
Sacramento County Board of Supervisors  
Citrus Heights City Council  
Folsom City Council  
Sacramento City Council  
Sacramento City Council  
Sacramento County Board of Supervisors  
Sacramento City Council  
Sacramento City Council  
Sacramento County Board of Supervisors  
Sacramento County Board of Supervisors  
Sacramento City Council  
Sacramento County Board of Supervisors  
Sacramento County Board of Supervisors  
Sacramento City Council
SGA possesses broad powers to ensure groundwater sustainability

Authorized to:
✓ Maintain records of extraction
✓ Cause taxes, assessments, fees or charges to accomplish purposes of the Authority
✓ Carry on studies and other technical investigations
✓ Establish and administer conjunctive use program

Authorized to (but have not used):
✗ Require permitting of extraction facilities
✗ Require installation of meters
✗ Acquire property convenient to exercise power
✗ Buy, sell, exchange, recharge, store water
✗ Fix rates for water acquired for replenishment
Not Authorized to:

• Engage in retail sale of water
• Fund capital construction projects
• Regulate land use
• Restrict or otherwise limit extraction of groundwater other than through economic incentives and disincentives
SGA has maintained a small (and now well-seasoned) staff

Staffed through agreement with Regional Water Authority (RWA)

- 2.2 full-time equivalent staff for SGA
- Shared administrative/office expenses

- FY19/20 Planned Expenses ($1.2M)
  - $513,500 staffing
  - $68,350 office
  - $107,750 admin consulting
  - $60,000 technical consulting
  - $450,000 Groundwater Sustainability Plan Development
Two Primary Components

1. Groundwater Extraction Fee
   - $6.00/acre-foot fee
   - Currently, only organized districts pay fee

2. Base Administrative Fee
   - Recognize that surface water users also benefit from basin management
   - Minimum fee is $10,100
   - $1.31/connection (for connections over 6,000)

• Decision to waive fees for independent groundwater pumpers occurs on annual basis

SGA has maintained a sustainable funding formula to date
SGA has maintained a progressive groundwater management program

- Groundwater Management Plan
- Regular Basin Management Reports
- Improved Modeling and Monitoring
- Water Quantity
- Water Quality
To address groundwater quantity, we focused on where the problem was...
Each agency voluntarily accepted a pumping target in the Central Area of SGA.

<table>
<thead>
<tr>
<th>Agency</th>
<th>Baseline - Average Pumping 1993-1998</th>
<th>Sustainability Reduction</th>
<th>Sustainability Pumping Target</th>
<th>Recent Average Pumping 2012-2018</th>
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<tbody>
<tr>
<td>Carmichael WD</td>
<td>7,516</td>
<td>870</td>
<td>6,646</td>
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<td>Sacramento Suburban WD</td>
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<tr>
<td>Total</td>
<td>101,784</td>
<td>11,784</td>
<td>90,000</td>
<td>65,677</td>
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</table>
Practicing conjunctive use is key to sustainable groundwater quantity.
We also focus on groundwater quality

Unique Regional Contamination Issues Committee (RCIC) formed in 2004

- Includes representatives of impacted water suppliers, regulators overseeing sites, and responsible parties

- Approach has been to:
  - find areas of common interest to improve efficiency for all participants
  - identify emerging regional water quality concerns early on

- GET L-A facility at Ancil Hoffman Golf Course
- 600 gpm remediation plant
- First direct reuse of remediated groundwater in region
We evaluated the potential movement of known plumes.
We evaluate emerging issues of regional concern

- Purveyor experienced PCE/TCE contamination in rapid succession and brought this to the RCIC
- Grant-Funded Study
  - evaluated potential sources
  - constructed monitoring wells and conducted additional sampling
- Resulted in eliminating several potential sources and better definition of plume extents and concentrations
- Allowed purveyor to develop treatment and operations plan
The insightful formation of SGA in 1998 positioned us well for SGMA compliance...but there is much work to do!

Regional Water Win –
NEW GROUNDWATER STRATEGY OFFERS HOPE FOR FUTURE

In what stands as a model for the state, local government agencies and water districts have designed a plan that successfully balances the need to preserve river water for fish and to provide more water for growth. This month the city and county of Sacramento and the Folsom and Citrus Heights councils will review this plan. The proposal represents a clear win for these local leaders and for the region as a whole.

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