



**EASTERN SAN JOAQUIN  
GROUNDWATER AUTHORITY**

**GWA Advisory Committee  
May 8, 2019**

# Agenda



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1. Approval of Minutes of April 24, 2019
2. Schedule for Meetings
3. Bundle 1 – Draft Chapter Overview
4. Additional GSP Elements
5. County Coordination Process/Plan Coordinator
6. June Agenda Items



# Schedule for Meetings

# Schedule for Meetings



<b>June 12</b>	<b>July 10</b>	<b>Aug. 14</b>	<b>Sept. 11</b>	<b>Oct. 9</b>	<b>Nov. 13</b>	<b>Dec. 11</b>
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Draft GSP Overview  
Highlights from Comments

GSP Adoption & Next Steps

# Items for GSP Implementation (Non-Project) – Part 1 of 3



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- Establishment of Monitoring Program
  - Coordination with monitoring entities
  - Creation of monitoring information (sheets/info/locations/etc.) for each monitoring point
  - Hiring/oversight of staff/contractors to do the monitoring
- Data collection & analysis
  - Water levels
  - Water quality
- Annual reporting
- Data Gaps

# Items for GSP Implementation (Non-Project) – Part 2 of 3



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- 5-yr update
  - Threshold evaluation and updating
  - Numerical Model Updates / Coordination
    - Incorporate new data sources (data gaps filled)
    - Recalibrate if necessary
    - New forecasts
    - Documentation, etc.
  - Evaluation of Initial GSP effectiveness
  - Plan to improve GSP (if needed)

# Items for GSP Implementation (Non-Project) – Part 3 of 3



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- Annual DMS updates (programming, data updates)
- General administration per coordination agreement (including audits, office expenses, insurance)
- Budget/schedule monitoring
- Public outreach
- Website maintenance
- GSA Board support (legal, administrative)
- Advisory Committee meeting support (administrative)
- Legal support
- Grant writing and administration



# Bundle 1 - Draft Chapter Overview



# Bundle 1 – Draft GSP Chapters



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Bundle 1 has been posted to website homepage:  
[\*www.esjgroundwater.org\*](http://www.esjgroundwater.org)

- Text includes includes:
  - Administrative Information
  - Plan Area
  - Hydrogeologic Conceptual Model (HCM)
  - Data Compilation
  - Data Management System (DMS)
- Comments due June 1, 2019

# Draft GSP – Administrative Information



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- 1.1 Purpose of the Groundwater Sustainability Plan
- 1.2 Sustainability Goal
- 1.3 Agency Information
  - 1.3.1 Eastern San Joaquin Authority Joint Powers Agreement
  - 1.3.2 Agency Contact Information
  - 1.3.3 Organization and Management Structure of the GSAs
  - 1.3.4 Legal Authority of the GSAs
  - 1.3.5 Estimated Cost of Implementing the GSP and Approach to Meeting Costs (In progress)
- 1.4 GSP Organization

# Draft GSP – Plan Area



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- 2.1 Description of the Plan Area
  - 2.1.1 Summary of Jurisdictional Areas and Other Features
- 2.2 Plan Area Monitoring
  - 2.2.1 Existing Water Resources Monitoring and Management Programs
- 2.3 Land Use Elements or Topic Categories of Applicable General Plans
  - 2.3.1 Existing General Plans
  - 2.3.2 Land Use Plans Outside the Subbasin
  - 2.3.3 Well Permitting
- 2.4 Additional GSP Elements (In progress)
- 2.5 Notice and Communication
  - 2.5.1 Beneficial Uses and Users in the Basin
  - 2.5.2 Communications



## 3.2 Hydrologic Conceptual Model

- 3.2.1 Regional Geologic and Structural Setting
- 3.2.2 Geologic History
- 3.2.3 Near-Surface Conditions
- 3.2.4 Geologic Formations and Stratigraphy
- 3.2.5 Faults and Structural Features
- 3.2.6 Geologic Cross-Sections
- 3.2.7 Basin Boundaries
- 3.2.8 Principal Aquifer
- 3.2.9 HCM Data Gaps

# Draft GSP – Data Compilation & DMS



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## 3.1 Data Compilation

- 3.1.1 Groundwater Level Data
- 3.1.2 Groundwater Quality Data
- 3.1.3 Stratigraphic Data
- 3.1.4 GIS Data

## 5. Data Management System (DMS)

### 5.1 Overview of the Eastern San Joaquin Subbasin Data Management System

### 5.2 Functionality of the Data Management System

- 5.2.1 User and Data Access Permissions
- 5.2.2 Data Entry and Validation
- 5.2.3 Visualization and Analysis
- 5.2.4 Query and Reporting

### 5.3 Data Included in the Data Management System



# Additional GSP Elements

# Additional GSP Elements (§ 354.8.g)



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SGMA regulations require “a description of any additional Plan elements included in Water Code Section 10727.4 that the Agency determines to be appropriate”

# Additional GSP Elements (§ 354.8.g)



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- Control of saline water intrusion
- Wellhead protection areas and recharge areas
- Migration of contaminated groundwater
- Well abandonment and well destruction program
- Replenishment of groundwater extractions
- Activities implementing, opportunities for, and removing impediments to conjunctive use and underground storage
- Well construction policies
- Groundwater contamination cleanup, recharge, in-lieu use, diversions to storage, conservation, water recycling, conveyance, and extraction projects
- Efficient water management practices for the delivery of water and water conservation methods
- Efforts to develop relationships with state and federal regulatory agencies
- Processes to review land use plans and efforts to coordinate with land use planning agencies to assess activities that potentially create risks to groundwater quality of quantity
- Impacts on groundwater dependent ecosystems





**County Coordination Process/Plan  
Coordinator**

# Coordination Process



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- County Coordination: changes and update to group
- Plan Coordinator: changed from Brandon Nakagawa to Kris Balaji (Public Works Director)



# June Agenda Items

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- Bundle Review and GSP Draft Release Process
- Implementation Phase and Funding Next Steps
- Grant Sources



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