

KERN GROUNDWATER AUTHORITY GSP APPROACH

Coordination Committee

5 March 2018

Agenda

- Updates
- KGA Budget and Special Activities Agreement
- Water Supply Accounting Update
- “Compliance” Data Management System
- GSP Schedule and Workplan
- GSP Implementation Strategy

Updates

- Planning Manager – Patty Poire
- September Coordination Committee – September 4, 2018
- Kern Policy Group
 - Model Update
 - Plan Manager Description
 - Addition of Henry Miller Water District
- ITRC Special Activities Agreement #1 Cash Call - \$55,000

KGGA 2018 BUDGET

Coordination Committee

March 5, 2018

KGA 2018 Budget Proposal

- Proceed with Budget in 3 Categories:
 - General Administration – Allocated per JPA Agreement
 - GSP Preparation Support – Allocated based on total Acreage overlying Usable Groundwater Basin
 - Urban Area Support – Allocated to KGA Urban Agencies
- 2018 Budget to Serve as Basis for Cost Allocations
- 2 New Special Activities Agreements Required – GSP Preparation and Urban Areas
- Actual Costs to be Tracked and Reported Periodically
- Allocations to be Adjusted Based on Actual Costs
- Proposal Presented at February 28 KGA Board of Directors Meeting

Special Activities Agreement #4

- GSP Preparation Activities Initial Budget - \$1,030,665
 - Kern Sub-basin Groundwater Model (Previously SAA #2)
 - Kern Sub-basin Groundwater Model Peer Review (Previously SAA #2)
 - GSP Coordination Support (P&P Costs)
 - Proposition 1 Preparation (Prepared Fall 2017)
 - Surface Water Data Tabulation (GEI Task Order #16)
 - Attorney Evaluation of Water Rights Precedents
 - Preparation of GSP Umbrella Narrative Portion (GEI Task Order #17)

Allocations Basis for New SAA #4

Draft

Activity Agreement Member	Participating Acreage	Participating Percentage
Arvin Community Services District	0	0.00%
Arvin-Edison Water Storage District ¹	105,431	13.35%
Cawelo Water District	46,441	5.88%
City of Shafter	0	0.00%
Kern County ²	30,000	3.80%
Kern County Water Agency	2,230	0.28%
Kern-Tulare Water District	20,557	2.60%
Kern Water Bank Authority	20,492	2.59%
North Kern Water Storage District	80,037	10.13%
Olcese Water District	8,166	1.03%
Rosedale-Rio Bravo Water Storage District	43,356	5.49%
Semitropic Water Storage District	223,342	28.28%
Shafter-Wasco Irrigation District	38,918	4.93%
South San Joaquin Municipal Utilities District	61,621	7.80%
Tejon-Castaic Water District	0	0.00%
West Kern Water District	10,712	1.36%
Westside Water District Authority ³	7,680	0.97%
Wheeler Ridge-Maricopa Water Storage District ⁴	90,842	11.50%
Totals	789,824	100.00%

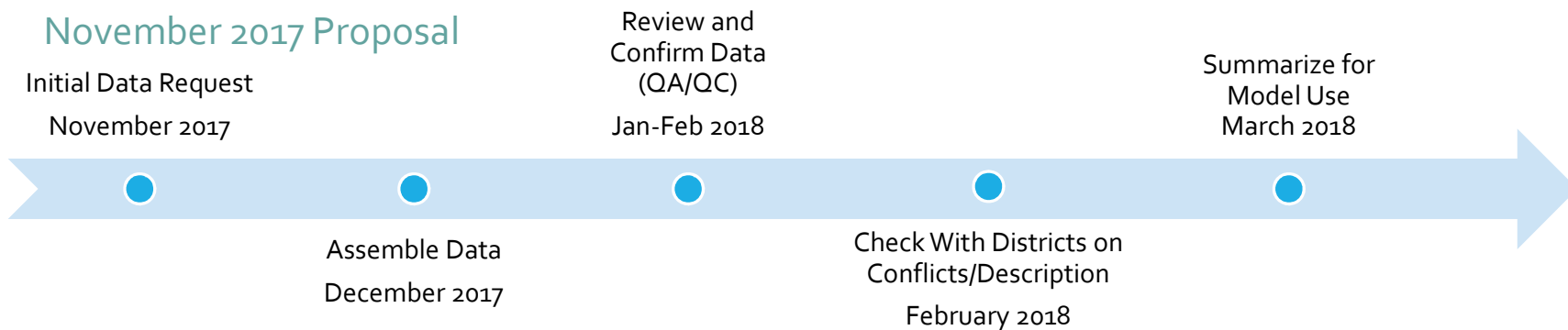
WATER SUPPLY ACCOUNTING

Coordination Committee

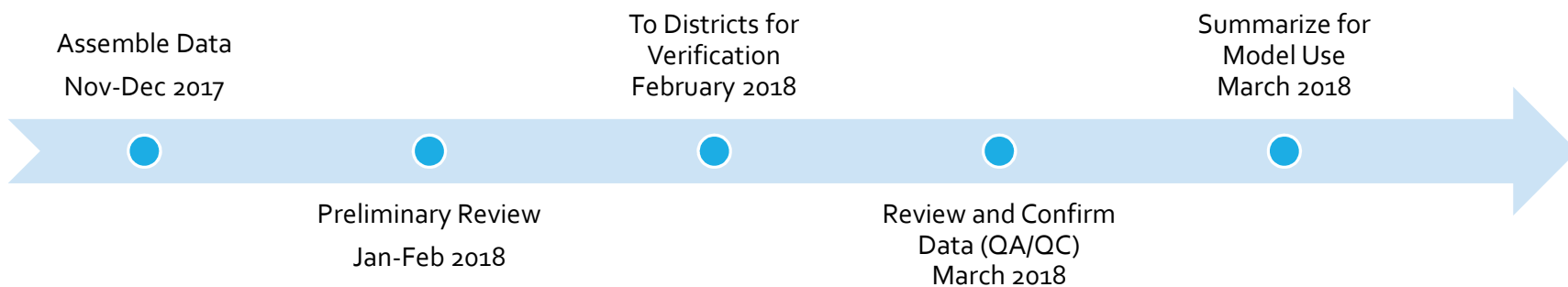
March 5, 2018

Water Supply Accounting

Todd Groundwater November 2017 Proposal



GEI Task Order 16 Process



“COMPLIANCE” DATA MANAGEMENT SYSTEM

Coordination Committee

March 5, 2018

GSP SCHEDULE AND WORKPLAN

Coordination Committee

March 5, 2018

GSP Outline

Chapter Name	Umbrella	Chapter	KGA Role
Introduction			Prepare Content
Sub-basin Setting			Summarize Content, Prepare Water Budgets
Sustainability Goals			Guidance, Summarize Content
Monitoring Network			Guidance, Summarize Content
Management Criteria			Guidance, Summarize Content, Modeling
Water Supply Allocation			Summarize Content, Modeling
Projects/Management Actions			Summarize Content, Modeling
Database Management			Develop Architecture and Implement
Modeling			Prepare Content, Modeling Consultant
Implementation			Guidance, Summarize Content

KGA Consulting Resources/Needs

Existing Resources:

- GEI – Technical Assistance
- Todd Groundwater – Groundwater Modeling (Through KRGSA)
- RMC – Modeling Peer Review
- P&P – Administration

Anticipated Needs:

- Modeling – Water Budgets, Future Projections, Sustainable Management Criteria Development and Review
- Database Development – Architecture, Compliance Database ,Implementation Database
- Report Preparation and Production – Develop KGA-Level Content, Summarize Chapter-Level Information, Develop/Apply Consistent Data Methodology, Analytical Frameworks, Format and Graphics

Could Use Existing Consultants, New Consultants or a Combination of those

Identify Special Activities Agreement and Cost Allocation to Support

Task Orders to Complete GSP

- Task Orders approved at February 28, KGA BOD Meeting
 - Umbrella Level Sub-Basin Setting and Additional Sections Task Order
 - Extend Technical Support (GEI) and Administrative Support (P&P) Agreements
- Modeling Support Task Order
 - Present in March or April 2018
- Additional Task Orders to be Prepared
 - Sustainable Management Criteria
 - “Compliance” Database Development
 - Outreach Plan
 - Complete Umbrella Draft GSP

Proposed Task Orders – Modeling/Analysis Support

- Modeling Support Task Order
 - Prepare Historical District Water Budgets
 - Develop Current District Water Budgets
 - Develop Future –Level District Water Budgets
 - Conduct Sub-Basin projections of water levels to support Sustainable Management Criteria
- Sustainable Management Criteria
 - Sustainable Management Criteria Required to Demonstrate that Beneficial Uses are Maintained
 - Procedure to evaluate projected impacts on domestic, agricultural and municipal wells
 - Economic studies to document that beneficial uses are sustainable

Proposed Task Orders – “Compliance” Data Management System

- SGMA Regulations Require Data Management System
 - Each Agency shall develop and maintain a data management system that is capable of storing and reporting information relevant to the development or implementation of the Plan and monitoring of the basin.
 - Well information used to develop the basin setting shall be maintained in the Agency’s data management system.
 - A copy of the monitoring data shall be included in the Annual Report and submitted electronically.
- Form of Database Not Specified
 - Low Level – Coordinated Spreadsheet/Access Database
 - High Level – Relational Databased for Specific Application
 - Possible Application of KCWA Water Level Database
 - Low Level Costs Minimal; High Level Costs Likely \$100,000-\$200,000
- Need to specify Scope and Timing of Development
- Solicit Input from KGA Member Districts with Decision by April 2018

Proposed Task Orders – Outreach Plan

- SGMA Legislation 10727.8.
 - The groundwater sustainability agency may appoint and consult with an advisory committee consisting of interested parties for the purposes of developing and implementing a groundwater sustainability plan.
 - The groundwater sustainability agency shall encourage the active involvement of diverse social, cultural, and economic elements of the population within the groundwater basin prior to and during the development and implementation of the groundwater sustainability plan.
- KGA to Coordinate with Kern River GSA on Outreach Workshops, including Disadvantaged Communities Spring 2018
- Need to coordinate with KGA Member Districts on Local and KGA-Wide Outreach
- Solicit Input from KGA Member Districts with Decision by April 2018

Proposed Task Orders – Draft GSP

- Prepare complete Draft GSP
- Include Narrative Sections from GEI Task Order 17
- Add Summaries of KGA Member District “Chapters”
- Initiate Work Late 2018; Work Likely Continues into 2019
- Product: Draft GSP for Public Review

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2018 GSP Preparation Tasks

Task	Budget	Approval	Completion
GSP Coordination Support (P&P Costs)	\$230,000	Feb 2018	Dec 2018
Surface Water Data Tabulation	\$75,000	Nov 2017	Mar 2018
Attorney Evaluation of Water Rights Precedents	\$60,000	2017	Apr 2018
Preparation of GSP Umbrella Narrative Portion	\$110,000	Feb 2018	Apr 2018
Modeling Support *	\$300,000	May 2018	Dec 2018
Sustainable Management Criteria *	\$150,000	May 2018	Sep 2018
"Compliance" Data Management System *	\$0-150,000	May 2018	Dec 2018
Outreach *	\$1-200,000	Apr 2018	Dec 2018
Complete Draft GSP *	\$200,000	Sep 2018	May 2019
Total	\$1.2-1.5 M		