

NOTES
Cosumnes Basin Prop. 68 Grant Planning
Meeting held June 26, 2019

Meeting objective: Develop consensus recommendations for Cosumnes Working Group about the Cosumnes Subbasin's approach to Prop. 68 grant application.

What actions are best suited for a Prop 68 applications?

Outcome

GSA representatives recommend developing a Prop. 68 scope based on six tasks: all tasks suggested by EKI, plus a task to define de minimis/characteristic water use for ag-res. The six tasks are provided in the attached table.

Priorities

There is currently no need to prioritize projects. If needed, the Working Group may revisit priorities later. GSA representatives currently view geophysical and GDEs as the top two priorities. Some attendees considered the monitoring wells to be lowest priority.

Noted for future discussion

Geophysical lines need to include control points (i.e. well borings). Not essential for Prop. 68 application.

Who will pay for EKI's labor to prepare a Prop. 68 application?

Outcome

Development of the Prop. 68 application will cost about \$25k. SAFCA has stated that they are willing to work with any partner(s) to provide funding of \$25k for EKI to write a Prop. 68 grant proposal. GSA representatives recommend that the Working Group accept SAFCA's offer to fund the Prop. 68 grant application as long as it is understood that SAFCA would not have creative control over the proposal or project implementation.

Options to contract with EKI to prepare the application

Outcome

GSA representatives recommend bringing the following two options to the July Working Group meeting, pending additional information:

- **Water Forum** in partnership with SAFCA; Water Forum would contract with EKI
- **O-H** in partnership with SAFCA; O-H would contract with EKI

Note:

- *O-H and SAFCA have an existing MOU in place.*
- *Water Forum has existing cost-share agreements with SAFCA and Water Forum has an existing contract with EKI.*

Other discussion

- Option (not preferred): SSCAWA with SAFCA; SSCAWA would contract with EKI
- Option (not preferred): Direct contract between SAFCA and EKI. For the sake of expediency, EKI prefers options where contracts are already in place or there is confidence contracting can be completed quickly; contracting issues will slow the process.

Participants asked whether the proposed projects satisfy SAFCA's interest in work related to groundwater recharge and concluded that the Folsom South Canal service area is one key area that is not currently well understood, and thus this project would satisfy SAFCA's interest.

To do before July Working Group meeting:

- Gohring: Test with Tim Washburn whether a direct contract between SAFCA and EKI is possible.
- Gohring: Establish greater clarity about a potential agreement with SAFCA and related requirements.
- Wackman: Share sample O-H contract with EKI so they can assess potential contracting issues.

Options for Prop. 68 cost-share (subject to much more information)

Outcome

The GSA representatives agreed that this topic should not be an action item for the July Working Group meeting. Rather, it should be discussed in July and brought for action to the August meeting. To aid in the July discussion, all attendees agreed that the following entities should be considered as possible Prop. 68 cost share partner(s):

- Water Forum – Water Forum staff will research the Water Forum's capacity
- SAFCA

Candidate entities to administer the contract

Outcome

The GSA representatives agreed that this item should be an action item at the August Working Group meeting and be included as a discussion item in July. The representatives also agreed that the following list of potential Prop. 68 grant administrators should guide the July discussion:

- A Cosumnes Subbasin GSA
- SSCAWA

Other discussion

The option of Sacramento County as a possible Prop. 68 grant administrator was discussed. Linda Dorn explained that Sacramento County does not have the capacity to administer the Prop. 68 grant given its existing grant administration responsibilities. Some GSA representatives requested that Sacramento County remain on the list of GSAs under consideration as grant administrator.

Participants

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|------------------|----------------------|
| Linda Dorn | Anona Dutton (phone) |
| Darrel Evensen | John Fio |
| Herb Garms | Tom Gohring |
| Austin Miller | John Lowrie |
| Jay Schneider | Julia Golomb (phone) |
| Mark Stretars | |
| Mike Wackman | |
| Barbara Washburn | |
| Rick Wohle | |

PROP 68 - PROPOSED TASKS

Task/Project	Outcome	Benefit	Relative Cost
Install and monitor meters on cooperative agricultural-residential water wells (domestic use)	Measured groundwater extractions by agricultural-residential areas	Basin specific estimate of agricultural-residential water use.	\$50,000 – \$100,000
Identification/Verification of GDEs <ul style="list-style-type: none"> Aerial photo analysis Field verification 	Field verified distribution and composition of GDEs	<ul style="list-style-type: none"> Confirm shallow groundwater areas Map areas of ecological interest Identify GW monitoring needs Improved HCM and GC reliability 	\$50,000 - \$100,000
Isotopic Recharge Study <ul style="list-style-type: none"> Analyze select surface water samples Analyze select well water samples Analyze rainfall samples 	<ul style="list-style-type: none"> Isotopic signature for Cosumnes River recharge and local rainfall Isotopic signature for groundwater representing variable mixtures of local rainfall and river recharge. 	<ul style="list-style-type: none"> Improved understanding of surface water and groundwater interactions Delineate recharge areas and primary recharge sources Enhance the HCM and WB 	\$75,000-\$100,000
Install monitoring wells at key distances and depths from the Cosumnes River	<ul style="list-style-type: none"> Measured depth distribution of interconnected surface water and groundwater response to well extractions Establish SGMA compliant monitoring wells 	<ul style="list-style-type: none"> Potential addition to the monitoring network Reliable use of groundwater levels as proxy for depletion of interconnected surface water Enhanced accuracy of the HCM, GC and WB High quality data for sustainability indicators (Lowering GW Levels, Degraded Quality, etc.) 	\$200,000
Geophysical studies <ul style="list-style-type: none"> Map additional transects, adjacent to rivers, creeks and Folsom South Canal Service area. Validate using borehole information from DMS 	<ul style="list-style-type: none"> Extrapolated subsurface conditions between boreholes and adjacent to surface water features 	<ul style="list-style-type: none"> Increase HCM reliability by better characterization of water-bearing and non-water bearing zones Improved quantification of interconnected surface water and groundwater Inform selection of new well sites 	\$75,000-\$200,000
Incorporate new recharge and interconnected surface water and groundwater data into groundwater-flow model	Improved modeling capabilities through: <ul style="list-style-type: none"> Refined representation of recharge Improved water table characterization Aquifer properties informed by geophysical data Calibration targets based on wells near river 	Increased model reliability for evaluating: <ul style="list-style-type: none"> Pumping impacts on Cosumnes River flows Movement and fate of intentional recharge Effectiveness of conjunctive use projects (e.g. Flood-MAR) 	\$100,000 - \$300,000

Total \$550,000-\$1,000,000