

# MINUTES

## Meeting of the

### Technical Advisory Committee

Friday February 10, 2023, at 8:00 a.m.

TAC Members and Staff at the

Exeter Museum (upstairs)

125 S. B Street, Exeter, CA 93221

#### **TAC Members:**

Paul Buldo (Sentinel Butte)  
Matt Klinchuch (Non-Voting)  
Craig Wallace (Lindsay-Strathmore)  
Craig Hornung (Wutchumna)  
Nick Keller (Exeter/Ivanhoe)  
Gene Kilgore (SCID) (9:00 am)  
Neyba Amezcua (City of Lindsay)  
Aaron Bock (County/County Appointed)

#### **Absent:**

Calvin Monreal (Lindmore)  
Brian Watson (At-large)

#### **Staff/Consultants:**

Michael Hagman

#### **Several Members of the Public**

1. **Call to Order:** Meeting was called to order at 8:00 a.m.
2. **Self-Introductions:** Introductions were given/roll taken.
3. **Public Comment** – No public comment was given.
4. **Committee Administration**
  - a. Review and Approve Meeting Minutes January 13, 2023 Committee meeting:  
Keller/Bock (Passed) Unanimous
5. **Committee Business**
  - a. Status Report on Kaweah Subbasin Efforts to date: Concerns about Montgomery & Associates developing the model. Hagman explained the EKGSA and GKGSA will have their own hydro/modeler in the room who will have access to the code and input. Question about it being Cloud based so all hydro/modelers can check and know what is being input. All hydro/modelers have equal input.
  - b. GSP Implementation Items
    - i. Hagman reported on the status of all the projects and management actions in the EKGSA. Hagman provided the TAC with the methodology and the spreadsheet that EKGSA will use to determine the AY2016-AY2021 groundwater credits to the surface water purveyors. Klinchuch reported that DWR is getting close to providing their determinations on the resubmitted GSPs. Keller said don't hold your breath.

- ii. Hagman reported that EKGSA has received the December 2022 ET numbers. TAC reminded Hagman that LandIQ needs to reformat their presentation to reflect comparisons appropriately. TAC asked if LandIQ provided the precipitation. Hagman reported they did, and they break it down to the field level and that is uploaded to the Dashboard.
- iii. Hagman reported on the status of the AY2022 year-end Allocation summary. TAC asked if the Dashboard timeline could be updated. Hagman talked about the status of the Dashboard support team after Savannah leaves P&P. It is anticipated that Chris Hunter will on an interim basis act in the role of Product Manager on a time a materials basis between the three GSAs. Hagman also reported that the EKGSA has added a staff member to assist on Dashboard and other EKGSA issues. That position is about 90% EKGSA. Hagman reported that before Savannah left, she established the “Small Group” (advisory) to help facilitate the challenges faced in the development of the Dashboard. Chris will also pursue use of this group.
- iv. Klinchuch provided the technical priorities matrix. Hagman reported on the progress made to develop a “Look Back” assignment of groundwater credits for surface water purveyors. Hagman presented the spreadsheet that surface water purveyors will need to complete so that EKGSA can develop the look back numbers. He reported that LandIQ and staff met, they will be doing the demand calculations retroactively for us to fill in the use of water.

**6. New/Other Business:** No other business

**7. Announcements**

- a. Move TAC meetings to 2<sup>nd</sup> Friday of the month at 8:30 AM. To be held at Lindmore ID Board office. Except next meeting Date and Time: March 13th, 2023, at 8:30 AM

**8. Adjournment:** The meeting was adjourned at 10:00 AM

**MINUTES**  
**Meeting of the**  
**Technical Advisory Committee**  
**Friday March 13, 2023, at 8:30 a.m.**  
**TAC Members and Staff at the**  
**Lindmore ID Board Room**  
**240**

<p><b>TAC Members:</b>  Paul Buldo (Sentinel Butte)  Matt Klinchuch (Non-Voting)  Craig Wallace (Lindsay-Strathmore)  Craig Hornung (Wutchumna)  Nick Keller (Exeter/Ivanhoe)  Aaron Bock (County/County Appointed)  Calvin Monreal (Lindmore)  Brian Watson (At-large)  Gene Kilgore (SCID)</p> <p><b>Absent:</b>  Neyba Amezcua (City of Lindsay)</p>	<p><b>Staff/Consultants:</b>  Michael Hagman (EKGSA)  Chris Hunter (EKGSA)  Abhishek Singh (Intera)  Kaitlyn Palys (Intera)</p> <p><b>Several Members of the Public</b></p>
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1. **Call to Order:** Meeting was called to order at 8:38 a.m.
2. **Self-Introductions:** Introductions were given/roll taken.
3. **Public Comment** – No public comment was given.
4. **Committee Administration**
  - a. Review and Approve Meeting Minutes February 10, 2023, Committee meeting: Keller/Wallace (Passed) Unanimous
5. **Committee Business**
  - a. Status Report on Kaweah Subbasin Efforts to date – GSP Determination Update. Singh led a group discussion regarding the DWR determination that Kaweah Subbasin GSP determination of “inadequate”. A diagram was shared that noted three key points of deficiency, 1) Water level SMC, 2) Subsidence Analysis, 3) Interconnected surface water. Within each deficiency, key points were discussed that needed to be addressed within the GSP.

Cmte discussed the direction for the team and reiterated the focus moving from previous methodology for SMC across the subbasin and move to a more Kaweah basin wide approach.

Signh provided insight on the process with the SWRCB which will include engagements with the SWRCB as a basin and as EKGSA. Next week will be a GSA manager meeting with SWRCB and DWR to discuss process. Post these engagements there will be a hearing with the SWRCB for the Kaweah Subbasin once SWRCB provides notice.

**b. GSP Implementation Items**

i. Project and Management Actions

Hagman briefed the cmte that all projects within the GSP are funded and underway expect for Rancho de Kaweah.

ii. Land IQ Update

January Land IQ data was delivered.

iii. Water Dashboard Data Update

Hunter provided an update of the process required to get the Water Dashboard "End of Year" summary to landowners. The summary statements are scheduled for delivery at the end of March 2023.

iv. 2025 GSP Update Technical Priorities

Klinchuch provided a Gantt chart for the timelines of the required activities through calendar year 2025. The workload includes the Water Budget, ISW work plan, Kaweah Subbasin Modeling, and the 2025 GSP update.

**6. New/Other Business:** Keller provided an update on the rain impacts on local rivers and reservoirs.

**7. Announcements**

a. Next Regular Meeting Date and Time: April 14, 2023, at 8:30 a.m.

**8. Adjournment:** The meeting was adjourned at 10:30 AM

**MINUTES**  
**Meeting of the**  
**Technical Advisory Committee**  
**Friday April 14, 2023, at 8:30 a.m.**  
**TAC Members and Staff at the**  
**Lindmore ID Board Room**  
**240**

<p><b>TAC Members:</b>  Paul Buldo (Sentinel Butte)  Matt Klinchuch (Non-Voting)  Craig Wallace (Lindsay-Strathmore)  Craig Hornung (Wutchumna)  Nick Keller (Exeter/Ivanhoe)  Aaron Bock (County/County Appointed)  Calvin Monreal (Lindmore)  Gene Kilgore (SCID)</p> <p><b>Absent:</b>  Neyba Amezcua (City of Lindsay)  Brian Watson (At-large)</p>	<p><b>Staff/Consultants:</b>  Michael Hagman (EKGSA)  Chris Hunter (EKGSA)  Abhishek Singh (Intera)  Kaitlyn Palys (Intera)</p> <p><b>Several Members of the Public</b></p>
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1. **Call to Order:** Meeting was called to order at 8:38 a.m.
2. **Self-Introductions:** Introductions were given/roll taken.
3. **Public Comment** – No public comment was given.
4. **Committee Administration**
  - a. Review and Approve Meeting Minutes March 13, 2023, Committee meeting: Keller/Wallace (Passed) Unanimous
5. **Committee Business**
  - a. Status Report on Kaweah Subbasin Efforts to date - GSP Determination Update. Technical consultants conveyed that since the March 16<sup>th</sup> TAC meeting there has been 1) a 45-minute call with the SWRCB/DWR and the GSA management to discuss the process that will be followed under the SWRCB review process. Process lacks detail, but the SWRCB will be determining the process and timelines and at SWRCB request, DWR will be invited as a technical advisor to the State. 2) April 24<sup>th</sup> meeting with GSA management and technical consultants that started the creation of the workplan to be followed. 3) April 3<sup>rd</sup> meeting where technical consultants met to discuss the need to provide consistency of definitions, qualitative and quantitative clarifications. Next call will be on:
    - April 19, 2023 – Technical Consultants

- April 26, 2023 – Management Meeting
- May 3, 2023 – SWRCB / Kaweah Subbasin Meeting

**b. GSP Implementation Items**

i. Annual Report Review

Klinchuch provides a detailed walkthrough of the Annual Report that was submitted to the State on March 31, 2023.

ii. Projects and Management Actions

Hunter provided updates on the existing projects and management actions. Noted items included the completion of the Lindsay Recharge Basin, and Lewis Creek Recharge project has completed the BOR process.

iii. Land IQ Update

Hunter provided up Land IQ reports, general discussion on Land IQ reports deficiency that need to be addressed. Joel Kimmelshue provided update on Land IQ's activity regarding optimizing data through ground truthing stations and active projects with agencies and growers.

iv. Water Dashboard Data Update

Hunter provided an update on Water Dashboard activities. The Allocation Year 2022 Summary has been sent to the printer and will be mailed to landowners on Monday April 17, 2023.

i. Rules & Regulations Order of Use Discussion

The agenda item was postponed until the next meeting.

v. 2025 GSP Update Technical Priorities.

The agenda item was not discussed.

**6. New/Other Business: None**

**7. Announcements**

- a. Next Regular Meeting Date and Time: May 12, 2023, at 8:30 a.m.

**8. Adjournment:** The meeting was adjourned at 11:35 AM

**MINUTES**  
**Meeting of the**  
**Technical Advisory Committee**  
**Friday May 12, 2023, at 8:30 a.m.**  
**TAC Members and Staff at the**  
**Lindmore ID Board Room**  
**240**

<p><b>TAC Members:</b>  Paul Buldo (Sentinel Butte)  Matt Klinchuch (Non-Voting)  Craig Wallace (Lindsay-Strathmore)  Craig Hornung (Wutchumna)  Nick Keller (Exeter/Ivanhoe)  Aaron Bock (County/County Appointed)  Calvin Monreal (Lindmore)  Gene Kilgore (SCID)  Neyba Amezcua (City of Lindsay)</p> <p><b>Absent:</b>  (AT-large)</p>	<p><b>Staff/Consultants:</b>  Michael Hagman (EKGSA)  Chris Hunter (EKGSA)  Abhishek Singh (INTERA)  Kaitlyn Palys (INTERA)</p> <p><b>Several Members of the Public</b></p>
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- 1. Call to Order:** Meeting was called to order at 8:31 a.m.
- 2. Self-Introductions:** ED Hagman provided introductions were given/roll taken.
- 3. Public Comment** – No public comment was given.
- 4. Committee Administration**
  - a. Review and Approve Meeting Minutes April 14, 2023, Committee meeting:  
Kilgore/Hornung (Passed) Unanimous
- 5. Committee Business**
  - a. Status Report on Kaweah Subbasin (KSB) Efforts to date - GSP Determination Update.  

Technical consultants conveyed that the Kaweah Subbasin held a call with the SWRCB. The KSB was represented by each GSAs technical consultants, managers, and staff. SWRCB was represented by staff and legal counsel. East Kaweah also had Director Hornung attend the meeting. Director Hornung’s feedback regarding the meeting was that EKGSA performed well, and the point of concern is the correlation between MT and SMC, and Mitigation Plans. Klinchuch from PnP also noted that the timeline the KSB was problematic for the SWRCB legal counsel. Keller requested that ED Hagman consider attending the SWRCB meetings in person when the KSB was on the agenda.

INTERA provided an update on the modeling coordination process and made the suggestion that EKGSA stay the course with the Stanford model; CMTE concurred but asked INTERA to stay integrated in the process and advise of any changes required.

**b. GSP Implementation Items**

i. Projects and Management Actions

ED Hagman provided an update on Projects and Management Actions. All Projects expect one of either completed or being implemented.

ii. Land IQ Update

ED Hagman noted that there was an issue with report this month from Land IQ regarding inaccurate water/allocation year summaries. A report will be provided once fixed by Land IQ.

iii. Water Dashboard Data Update

Hunter provided an update on Water Dashboard activities. The Allocation Year Summary has been delivered, legal counsel has asked to create a process to verify "FEE Title" owner, and the water market strategy is creating transfer bucket system.

1. ED Hagman reported that the EKGSA Board had requested staff to allow landowners to pick the order of process after Precipitation. Staff are working toward building the functionality within the Water Dashboard.

iv. Kaweah Subbasin Water Market Strategy

Hunter reported that the KSWMS had started to work with Water Dashboard develop independently to create the structure of transfer buckets. KSWMS is reaching out to GSA managers to set up meetings to provide a review of the strategy and look for approval.

v. 2025 GSP Update Technical Priorities

- i. Klinchuch informed the committee that the DWR has provided relief to GSAs under state review for the 2025 deadline. KSB remains committed to working toward meeting the 2025 deadline.

**6. New/Other Business: None**

**7. Announcements**

**a. Next Regular Meeting Date and Time:**

- |                           |                              |
|---------------------------|------------------------------|
| a. May 22, 2023, 11:00 AM | Technical Small Group        |
| b. May 31, 2023, 8:30 AM  | Technical Advisory Committee |
| c. June 9, 2023, 8:30 AM  | Technical Advisory Committee |

**8. Adjournment:** The meeting was adjourned at 10:39 AM



**MINUTES**  
**Meeting of the**  
**Technical Advisory Committee**  
**Wednesday, May 31, 2023, at 8:30 a.m.**  
**TAC Members and Staff at the**  
**Lindmore ID Board Room**  
**240**

<p><b>TAC Members:</b>  Paul Buldo (Sentinel Butte)  Matt Klinchuch (Non-Voting)  Craig Wallace (Lindsay-Strathmore)  Craig Hornung (Wutchumna)  Nick Keller (Exeter/Ivanhoe)  Aaron Bock (County/County Appointed)  Gene Kilgore (SCID)  Neyba Amezcua (City of Lindsay)  Calvin Monreal (Lindmore)</p> <p><b>Absent:</b>  (At-large)</p>	<p><b>Staff/Consultants:</b>  Michael Hagman (EKGSA)  Chris Hunter (EKGSA)  Abhishek Singh (INTERA)  Kaitlyn Palys (INTERA)</p> <p><b>Several Members of the Public</b></p>
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1. **Call to Order:** Meeting was called to order at 8:32 a.m.
2. **Self-Introductions:** ED Hagman provided introductions were given/roll taken.
3. **Public Comment** – No public comment was given.
4. **Committee Administration**
  - a. Review and Approve Meeting Minutes May 12, 2023, Committee meeting:  
Minutes were not ready for approval.
5. **Committee Business**
  - a. Status Report on Kaweah Subbasin Efforts to date
    - i. Well Mitigation Program  
Kaitlyn Palys of INTERA provided a walkthrough of the “Mitigation Program” which serves as a framework for the Kaweah Subbasin. Each GSA will then create a “Mitigation Plan” that will be specific to their GSA requirements. The committee held a healthy discussion on a partnership opportunity with Self Help Enterprises for the Well Mitigation efforts; specifically for 80% of medium house income. There are details of the agreement that need to be established and reviewed, at current state committee is favorable of the approach.

The committee provided direction to staff and consultants on mitigation efforts details, investigation, qualifications, and mitigation for each of the beneficial use cases.

Kait walked through the next steps which if completion of the Draft Mitigation Plan, Public Comment and BOD approval of Draft Mitigation Plan, 30-Day public review and comment period & workshops. The process will conclude with a thirty-day period to incorporate public input and final BOD adoption.

The Committee agreed to hold additional meetings and document review requirement of June 16<sup>th</sup>, 2023 in order to provide the Board of Directors with a recommendation on the KSB Mitigation Program and EKGSA Mitigation Plan.

**6. New/Other Business:** None

**7. Announcements**

- a. Next Regular Meeting Date and Time: June 9, 2023, 8:30 AM
- b. Special Meeting Date and Time: June 20, 2023, 8:30 AM

**8. Adjournment:** The meeting was adjourned at 10:29 AM

# MINUTES

Meeting of the  
Technical Advisory Committee  
Friday, June 9, 2023, at 8:30 a.m.  
Lindmore ID Board Room  
240 West Lindmore Street, Lindsay CA 93247

<p><b>TAC Members:</b> Paul Buldo (Sentinel Butte) (Remote) Matt Klinchuch (Non-Voting – Chaired the meeting) Craig Wallace (Lindsay-Strathmore) Craig Hornung (Wutchumna) Nick Keller (Exeter/Ivanhoe) Aaron Bock (County/County Appointed) Gene Kilgore (SCID) Neyba Amezcua (City of Lindsay) <b>Absent:</b> (At-large)</p>	<p><b>Staff/Consultants:</b> Michael Hagman (EKGSA) Chris Hunter (EKGSA) Abhishek Singh (INTERA) Kaitlyn Palys (INTERA) Joe Hughes (Counsel EKGSA) 8:35</p> <p><b>Several Members of the Public</b></p>
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1. **Call to Order:** Meeting was called to order at 8:35 a.m.
2. **Self-Introductions:** Executive Director Hagman provided introductions and roll was taken.
3. **Public Comment** – No public comment was given.
4. **Committee Administration**
  - a. Review and Approve Meeting Minutes May 12, 2023 and May 31, 2023, Committee meeting: Hornung/Keller – Passed (unanimous)
5. **Committee Business**
  - a. Status Report on Kaweah Subbasin Efforts to date: Hagman/Klinchuch updated the TAC on basin efforts regarding Modeling and DMS
    - i. Well Mitigation Program: Palys Presentation
  - b. GSP Implementation Item
    - i. Projects and Management Actions
    - ii. LandIQ Update
    - iii. Water Dashboard
      1. Rules and Regulations Order of Use Priorities
    - iv. Kaweah Subbasin Water Marketing Strategy
    - v. 2025 GSP Update Technical Priorities
6. **New/Other Business:** None
7. **Announcements**
  - a. Next Regular Meeting Date and Time: June 9, 2023, 8:30 AM
  - b. Special Meeting Date and Time: June 20, 2023, 8:30 AM
8. **Adjournment:** The meeting was adjourned at 10:29 AM

# MINUTES

## Special Meeting of the Technical Advisory Committee

Tuesday, June 20, 2023, at 8:30 a.m.

Lindmore ID Board Room

240 West Lindmore Street, Lindsay CA 93247

<p><b>TAC Members:</b> Paul Buldo (Sentinel Butte) (Remote) Matt Klinchuch (Non-Voting – Chaired the meeting) Craig Wallace (Lindsay-Strathmore) Craig Hornung (Wutchumna) Nick Keller (Exeter/Ivanhoe) Aaron Bock (County/County Appointed) Gene Kilgore (SCID)</p> <p><b>Absent:</b> Calvin Monreal (Lindmore ID) Neyba Amezcua (City of Lindsay) (At-large)</p>	<p><b>Staff/Consultants:</b> Michael Hagman (EKGSA) Chris Hunter (EKGSA) Abhishek Singh (INTERA) Kaitlyn Palys (INTERA) Ryan Alward (INTERA)</p> <p><b>Several Members of the Public</b></p>
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1. **Call to Order:** Meeting was called to order at 8:34 a.m.
2. **Self-Introductions:** Executive Director Hagman provided introductions and the roll was taken.
3. **Public Comment** – No public comment was given.
4. **Committee Administration**
  - a. Review and Approve Meeting Minutes June 9, 2023, Committee meeting:  
Keller/Hornung – Passed (unanimous)
5. **Committee Business**
  - a. Status Report on Kaweah Subbasin Efforts to date
    - i. Mitigation Program: Kaitlyn Palys provided a review of comments and changes made to the KSB Mitigation Framework and the EKGSA Mitigation Plan.  
  
Recommendation to the board of directors that the EKGSA Mitigation plan be adopted for public review. 1<sup>ST</sup> Keller / 2<sup>ND</sup> Kilgore – Passed (Wallace voted no)
6. **New/Other Business:** None
7. **Announcements**
  - a. Next Regular Meeting Date and Time: July 14, 2023, 8:30 AM
8. **Adjournment:** The meeting was adjourned at 10:44 AM

# MINUTES

Meeting of the  
Technical Advisory Committee  
Friday, July 14, 2023, at 8:30 a.m.  
Lindmore ID Board Room  
240 West Lindmore Street, Lindsay CA 93247

<p><b>TAC Members:</b> Paul Buldo (Sentinel Butte) (Remote) Matt Klinchuch (Non-Voting – Chaired the meeting) Craig Wallace (Lindsay-Strathmore) Craig Hornung (Wutchumna) Nick Keller (Exeter/Ivanhoe) Aaron Bock (County/County Appointed) Gene Kilgore (SCID) Calvin Monreal (Lindmore ID) <b>Absent:</b> Neyba Amezcua (City of Lindsay) (At-large)</p>	<p><b>Staff/Consultants:</b> Michael Hagman (EKGSA) Abhishek Singh (INTERA) Kaitlyn Palys (INTERA) Ryan Alward (INTERA)</p> <p><b>Several Members of the Public</b></p>
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1. **Call to Order:** Meeting was called to order at 8:34 a.m.
2. **Self-Introductions:** Executive Director Hagman provided introductions and the roll was taken.
3. **Public Comment** – No public comment was given.
4. **Committee Administration**
  - a. Review and Approve Meeting Minutes June 20, 2023, Committee meeting: Kilgore/Keller – Passed (unanimous)
5. **Committee Business**
  - a. Status Report on Kaweah Subbasin Efforts to date
    - i. Mitigation Program: Kaitlyn Palys discussed with committee 1. Funding methods of mitigation 2. Methods of estimating the cost of mitigation. Matt Klinchuch provided an estimate of the number of wells that have gone dry over a period between 2015 and 2020.

Substantial discussion was had on the other basin GSPs. Some TAC members have determined that the requirement of mitigating impacts does not just mean domestic/municipal/small systems wells and that it includes all wells. Since the basin is considered in total, the concern is that if the other GSAs do not at least identify mitigation of ag wells, then the basin will fail.

Further discussion was had on subsidence and groundwater storage declining issues. Noting that our partner GSAs in the subbasin are struggling to get to coordinated sustainable management criteria through their Boards. Hagman to bring this issue up at the upcoming board meeting.

Hagman was tasked with developing a proposal on water fees. Klinchuch was tasked with what a Prop 218 revenue stream would be needed.

**b. GSP Implementation Items**

- i. Projects and Management Actions – Hagman reported on the progress of the grant funded projects
- ii. LandIQ Update – Hagman provided the latest LandIQ report
- iii. Water Dashboard Data Update
  1. Rules & Regulations Order of Use Discussion – no discussion was had, and item was table till the next meeting
- iv. Kaweah Subbasin Water Marketing Strategy – Wallace provided input on this issue.
- v. Precipitation Credit Evaluation – a discussion was had briefly on using some sort of methodology to establish a credit that more uniformly approximates actual beneficial ET. Using this year as an example, it was noted that a large portion of the precipitation did not stay in the area and ET of that land, nor did it return to the ground in this area. Yet EKGSA is allocating 92% of 15-20 inches this year.

**6. New/Other Business: None**

**7. Announcements**

- a. Next Regular Meeting Date and Time: August 11, 2023, 8:30 AM

**8. Adjournment:** The meeting was adjourned 11:50 AM.

# MINUTES

Meeting of the  
Technical Advisory Committee  
Friday, August 11, 2023, at 8:30 a.m.  
Lindmore ID Board Room  
240 West Lindmore Street, Lindsay CA 93247

<p><b>TAC Members:</b> Paul Buldo (Sentinel Butte) Matt Klinchuch (Non-Voting) Craig Wallace (Lindsay-Strathmore) Craig Hornung (Wutchumna) Neyba Amezcua (City of Lindsay - remote) Aaron Bock (County/County Appointed) Calvin Monreal (Lindmore ID)</p> <p><b>Absent:</b> Nick Keller (Exeter/Ivanhoe) Gene Kilgore (SCID) (At-large)</p>	<p><b>Staff/Consultants:</b> Michael Hagman (EKGSA) Kaitlyn Palys (INTERA) Ryan Alward (INTERA)</p> <p><b>Members of the Public</b></p>
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1. **Call to Order:** Meeting was called to order at 8:37 a.m.
2. **Self-Introductions:** Executive Director Hagman provided introductions and the roll was taken.
3. **Public Comment** – No public comment was provided.
4. **Committee Administration**
  - a. Review and Approve Meeting Minutes July 14, 2023, Committee meeting:  
Hornung/Wallace – Passed (unanimous)
5. **Committee Business**
  - a. Status Report on Kaweah Subbasin Efforts to date

Hagman/Palys updated the TAC on the letters sent to MKGSA and GKGSA for SMC and Mitigation issues sent under direction of the Board and with Board Chair signature. Hagman/Palys also provided the status mitigation plan comment letters sent to MK/GK from EKGSA under the Executive Director’s signature. of the MKGSA and GKGSA comment letter provided

Palys provided a PowerPoint that identifies the GSA’s necessary efforts towards submittal of the GSPs. Expressed in the presentation were the criteria for analyzing impacts to wells (well susceptibility analysis). The analysis identified pre-SGMA impacts (legacy impacts) and those wells were removed. Then the analysis set levels at 20% of the well depth and compared those wells based on the GSP submitted MTs and the 2022 conditions. It was very apparent that going to the submitted MTs the number of wells (at 20% protection) would be substantial. TAC was asked to provide feedback on where well levels should be relative to “protection”. DWR’s guidance document identifies 20% (not necessarily a recommendation) of the well as being sufficiently protective of a domestic well. After discussion it was noted that in some cases 20%

seems reasonable and in many other situations it is overly conservative. The TAC provided some parameters to consider in setting the protective space in wells within the basin. This TAC guidance will be submitted to the basin technical team to develop an impact analysis. It was clear from the data, that MTs in the subbasin will have to move up, or the amount of dollars for mitigating domestic wells, in particular, will likely be unaffordable. Palys will take input to the basin technical team.

**b. GSP Implementation Items**

- i. Projects and Management Actions – Hagman reported on the progress of the grant funded projects.
- ii. LandIQ Update – Hagman provided the latest LandIQ report.
- iii. Water Dashboard Data Update
  1. Rules & Regulations Order of Use Discussion – Hagman reminded the TAC that that Board directed staff to generate an option in the Water Dashboard that allows landowners the option of choosing their order of use and that staff is just about to send out the invoices with a 60-day payment period. Additionally, Hagman noted that the landowners can choose to “auto adjust” their usage to allow for credits in a landowners account to offset debit in other APNs in there account automatically or they can do it manually.
- iv. Kaweah Subbasin Water Marketing Strategy – A brief discussion was had on has a system been established at all to determine the value of the transferred water. The answer is no, but it appears there have been deals made at varying rates at least in the EKGSA.
- v. Precipitation Credit Evaluation – It was determined that since we have to set the allocation in September, we should also visit this issue at the same time. Hagman asked for an additional TAC meeting this month.

**6. Closed Session Conference with Legal Counsel - Potential Litigation: [Government Code Section 54956.9(d)(2)].** Started at 10:00 AM and ended at 10:47 AM with no reportable action.

**7. New/Other Business:** None

**8. Announcements**

- a. Next Regular Meeting Date and Time: August 11, 2023, 8:30 AM. Hagman also asked if he could send out a calendar request for a meeting later this month to go over the Allocation and Precipitation Credit

**8. Adjournment:** The meeting was adjourned 10:47.50 AM.



# MINUTES

## Special Meeting of the Technical Advisory Committee

Friday, August 22, 2023, at 8:30 a.m.

Lindmore ID Board Room

Exeter Museum 204 E. Pine Street Exeter CA 93221

<p><b>TAC Members Present:</b> Paul Buldo (Sentinel Butte) Matt Klinchuch (Non-Voting) Craig Wallace (Lindsay-Strathmore) Craig Hornung (Wutchumna) Neyba Amezcua (City of Lindsay) Aaron Bock (County/County) Calvin Monreal (Lindmore ID - remote) Nick Keller (Exeter/Ivanhoe) Gene Kilgore (SCID)</p> <p><b>TAC Members Absent:</b> Brian Watson (At-large)</p>	<p><b>Staff/Consultants:</b> Michael Hagman (EKGSA) Kaitlyn Palys (INTERA)</p> <p><b>Members of the Public</b></p>
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**1. Call to Order:** Meeting was called to order at 8:37 a.m. – Approval of Agenda was considered. Wallace asked why the “order of use” discussion was not on the agenda. Hagman reported that it was already decided by the Board that landowners would have the right to choose the order of use and that the Water Dashboard was enhanced to allow landowners that option. Wallace requested the item be placed on this agenda as it relates to the allocation. After some discussion Wallace made a motion and Keller seconded that the agenda be approved with the addition of “Item 4(b)(iii) – Order of Use” Motion passed unanimously.

**2. Self-Introductions:** Executive Director Hagman provided introductions and the roll was taken.

**3. Public Comment** – No public comment was provided.

#### **4. Committee Business**

**a. Status Report on Kaweah Subbasin Efforts to date**

A brief summary of technical activity on basin GSP updates and SMC modification was provided by Kait Palys.

**b. GSP Implementation Items**

- i. Water Year allocation discussion: Klinchuch reported on an “extrapolated” status of water. His spreadsheet identified the amount of water available after the Fall 2021 contours were developed, less already allocated, plus average native inflows. There were several areas without water to allocate given that extrapolation. The TAC asked for detail transaction of water from ET, Surface Supply, and better understanding of inflows (native, imported and salvaged). TAC members were asked to provide their available records on delivered supply since 2021.

- ii. Precipitation Credit Evaluation: Hagman reminded everyone that the Board approved a precipitation credit of 92% of rainfall. However, on very wet years, much more of the precipitation becomes groundwater as it flows beyond demand zones and into recharge. After discussion there was a request that staff provide the average of 25 years or some other range of time for applying the 92%. Some other ideas were provided with the intent of getting a better application of how precipitation works in this area.

The TAC also would like to consider evaluating Native Allocation on the same time period. Meaning, if there is a deviation from the precipitation numbers (up or down) the Native Allocation would go up or down based on that deviation.

- iii. Rules & Regulations Order of Use Discussion – TAC member Wallace noted that there are ways to game the system by allowing the order of use. Specifically, as it applies to Penalty Tiers of supply. After some discussion it was apparent that with the Penalty Tiers are likely going away and that the impact of this gaming would minimal and eventually eliminated. It was suggested we table it and monitor such activity.

**6. New/Other Business:** None

**7. Announcements**

- a. Next Regular Meeting Date and Time: Friday, September 8, 2023, 8:30 AM.

**8. Adjournment:** The meeting was adjourned at 11:17 AM.

# MINUTES

## Meeting of the

### Technical Advisory Committee

Friday, September 8, 2023, at 8:30 a.m.

Lindmore ID Board Room

240 West Lindmore Street, Lindsay CA 93247

**TAC Members Present:**

Paul Buldo (Sentinel Butte)  
Matt Klinchuch (Non-Voting)  
Craig Wallace (Lindsay-Strathmore)  
Craig Hornung (Wutchumna)  
Neyba Amezcua (City of Lindsay)  
Aaron Bock (County/County)  
Calvin Monreal (Lindmore ID - remote)  
Nick Keller (Exeter/Ivanhoe)  
Gene Kilgore (SCID)

**TAC Members Absent:**

Brian Watson (At-large)

**Staff/Consultants:**

Michael Hagman (EKGSA)  
Chris Hunter (EKGSA)  
Kaitlyn Palys (remote)

**Members of the Public**

1. **Call to Order:** Meeting was called to order at 8:33 a.m.
2. **Self-Introductions:** Executive Director Hagman provided introductions and the roll was taken.
3. **Public Comment** – No public comment was provided.
4. **Committee Administration**
  - a. Review and Approve Meeting Minutes for August 11 and August 22, 2023 meetings:  
Hornung/Keller – Passed (unanimous) both minutes.
4. **Committee Business**
  - a. Status Report on Kaweah Subbasin Efforts to date
  - b. GSP Implementation Items
    - i. Water Year allocation discussion: Matt Klinchuch provided the requested technical data on water use in the EKGSA portion of the Kaweah Subbasin, the impact of the 2022-23 Allocation on available water supply and the remaining groundwater supply. Additional discussion was had on the precipitation credit for the EKGSA landowners. Additional discussion was had on the amount of money needed to meet the annual budget for the “EKGSA Mitigation Plan”. After further discussion on these related matters, the following occurred:  
  
**Action:** Motion and Second (Wallace/Kilgore) passes unanimously that the TAC recommends to the EKGSA Board of Directors set the Native Allocation at 0.85 acre feet of groundwater ETa per parcel acre at no cost to the landowner and that there be no allocation of Tier 1 or Tier 2 penalty water.

**Action:** Motion and Second (Wallace/Kilgore) passes unanimously that the TAC recommends to the EKGSA Board of Directors to establish a Mitigation Allocation of 0.05 AF per irrigated parcel acre at a cost to the parcel owner of \$500 per acre foot and must be paid for by December 31, 2023 with any unpaid to be sold on a first come first served basin. That fifty percent of that revenue will be used to buy surface water credits from willing landowners in the EKGSA and the balance to be used to fund the EKGSA Mitigation fund.

**Action:** Motion and Second (Wallace/Hornung) passed unanimously that the TAC recommends to the EKGSA Board of Directors to charge a fee of \$50.00 per transfer be charged when groundwater is transferred between non-associated parties

- ii. LandIQ Update: Hagman reported on the LandIQ report for July 2023. Also, Hunter identified Water Dashboard issues and noted that the year end report and billing will be going out in the next couple days. The payments will be due by October 25.
- iii. Kaweah Subbasin Water Marketing Strategy: Reported on by Buldo/Hunter/Wallace.
- iv. Precipitation Credit Evaluation: Substantial discussion was had on how precipitation affects the ETa analysis and continued agreement that precipitation needs to be backed out of the ETa numbers so as not to overstate the amount of applied water consumed. Klinchuch provided an analysis of what the Basin Study identified and some comparative calculations of using some percentage of a rolling 25 year precipitation number. It was determined that the 25-year precipitation number (as provided by the water districts in the EKGSA) is 11 inches a year. The discussion that ensued was attempting to determine and appropriate amount of those 11 inches that goes into the ground or is consumed by evaporation or the plant process (ETa).

**Action:** After substantial discussion a motion was made (Keller/Kilgore) that passed unanimously that the TAC recommends to the Board of Directors that a precipitation credit of 75% of 11 inches be provided to the landowners as an offset of precipitation impacts to ETa.

**6. New/Other Business:** None

**7. Announcements**

- a. Next Regular Meeting Date and Time: Friday, October 13, 2023, 8:30 AM.

**8. Adjournment:** The meeting was adjourned at 10:56 AM.

# MINUTES

## Meeting of the

### Technical Advisory Committee

Friday, October 13, 2023, at 8:30 a.m.

Lindmore ID Board Room

240 West Lindmore Street, Lindsay CA 93247

**TAC Members Present:**

Paul Buldo (Sentinel Butte)  
Matt Klinchuch (Non-Voting)  
Craig Wallace (Lindsay-Strathmore)  
Craig Hornung (Wutchumna)  
Neyba Amezcua (City of Lindsay)  
Aaron Bock (County/County)  
Nick Keller (Exeter/Ivanhoe)  
Gene Kilgore (SCID)

**TAC Members Absent:**

Brian Watson (At-large)  
Calvin Monreal (Lindmore)

**Staff/Consultants:**

Michael Hagman (EKGSA)  
Chris Hunter (EKGSA)  
Kaitlyn Palys (remote)

**Members of the Public**

1. **Call to Order:** Meeting was called to order at 8:30 a.m.
2. **Self-Introductions:** Executive Director Hagman provided introductions and the roll was taken.
3. **Public Comment** – No public comment was provided.
4. **Committee Administration**
  - a. Review and Approve Meeting Minutes for September 8, 2023, meeting:  
Noted that the precipitation credit motion was not unanimous that Keller (Exeter/Ivanhoe) voted no on the motion. After the corrections, Hornung/Keller made a motion to approve the minutes and it passed unanimously.
4. **Committee Business**
  - a. Status Report on Kaweah Subbasin Efforts to date was provided by Klinchuch, Hagman and Palys.
  - b. Executive Director Hagman provided his draft 2024 budget and asked the TAC for any further issues that should be constructed in the budget. Some discussion was had on the amount of revenue that may or may not be booked for both the year just finishing and the upcoming year. Hagman noted that the current revenues for 2023 are directly from the Water Dashboard and he noted that they would most certainly be lower, but that he will update it as we get closer to the Board budget hearing in December. Hagman noted that the FY2024 revenues are likely to be very small due to the high precipitation credit offset. He also reminded the TAC that the Board allocated 0.30 AF/acre in AY2023 at a price of \$500 AF and that is available for use by landowners through AY2027. That represents about \$13,500,000 in revenue. The TAC provided a few other insights.

c. GSP Implementation Items

- i. Kait Palys provided a status of the basin efforts to correct the deficiencies in the basin groundwater sustainability plans (GSPs). She identified the technical work being done to identify sustainable management criteria (SMC). It was noted that refining minimum thresholds around impacts to beneficial uses and users and basin wide impacts is the imperative. This concept still hasn't resonated with the GKGSA and so there is substantial effort. Kait and Tyler Hatch (Intera) reported on the subsidence issue in the subbasin and noted particularly how the EKGSA will need to look at subsidence SMCs. It was reported that since most of the eastern edge of the EKGSA see virtually no subsidence and submitting 0 as a threshold for the Friant Kern Canal (FKC) as critical infrastructure could create a problem if there actually was some, we'd have to take immediate action. He noted that the monitoring system has a variance of accuracy. He recommended that if in two consecutive years the subsidence exceeded the accuracy variance, that would be an observed "inelastic" change in subsidence. It was also discussed that the EKGSA could possibly get a letter of support from the FWA on this type of subsidence SMC. At the conclusion of discussion, the following was taken:

Motion (Keller/Wallace) to Direct the EKGSA GSP Technical team to use two consecutive years of inelastic change in elevation that exceeds the accuracy variance of the monitoring network for minimum threshold along the FKC. The motion passed unanimously.

- ii. LandIQ Update: Hagman reported on the LandIQ report for August 2023 and that September would be here later in October and we can close out AY2023 consumption numbers. Joel Kimmelshue provided his report on the Olive ETa issue. Kimmelshue noted that after working with a landowner who had substantial water delivery values and comparing that information to the LandIQ ETa, he noted that it appears that olive ETa is overstated by 33%. This would be an issue in AY2022, AY2023 and part or all of AY2024. This is because they will need sensor stations in olives for a solid period of time to better understand their ETa. After some discussion, the following action was taken:

Motion (Hornung/Keller) recommends to the Board that they direct staff to adjust the reported ETa of olives crops in the EKGSA downward by 33% for AY2022, AY2023, and AY2024. ETa. Motion passed unanimously.

- iii. Kaweah Subbasin Water Marketing Strategy: Reported on by Buldo/Hunter/Wallace.
- iv. attempting to determine and appropriate amount of those 11 inches that goes into the ground or is consumed by evaporation or the plant process (ETa).

**Action:** After substantial discussion a motion was made (Keller/Kilgore) that passed unanimously that the TAC recommends to the Board of Directors that a precipitation credit of 75% of 11 inches be provided to the landowners as an offset of precipitation impacts to ETa.

**6. New/Other Business:** None

**7. Announcements**

a. Next Regular Meeting Date and Time: Friday, November 10, 2023, 8:30 AM.

**8. Closed Session:** The meeting was moved into closed at 10:15 AM and returned from Closed Session at 11:30 AM on the following items with no reportable action:

GOVERNMENT CODE SECTION 54956.9(a)(2) and (a)(4) Anticipated Litigation  
Number of Potential Cases: One

CONFERENCE WITH LEAD NEGOTIATOR Michael Hagman – APN: 052-040-007 easement, right of way or purchase of property. [Government Code Section 54957.6]

**9. Adjournment:** Committee Chair Buldo adjourned the meeting at 11:33 AM.

# MINUTES

## Meeting of the

### Technical Advisory Committee

Friday, November 3, 2023, at 8:30 a.m.

Lindmore ID Board Room

240 West Lindmore Street, Lindsay CA 93247

**TAC Members Present:**

Paul Buldo (Sentinel Butte)  
Matt Klinchuch (Remote)  
Craig Wallace (Lindsay-Strathmore)  
Craig Hornung (Wutchumna)  
Aaron Bock (County/County)  
Nick Keller (Exeter/Ivanhoe)  
Calvin Monreal (Lindmore)

**TAC Members Absent:**

Brian Watson (At-large)  
Neyba Amezcua (City of Lindsay)  
Gene Kilgore (SCID)

**Staff/Consultants:**

Michael Hagman (EKGSA)  
Chris Hunter (EKGSA)  
Kaitlyn Palys (remote)

**Members of the Public**

1. **Call to Order:** Meeting was called to order at 8:36 a.m.
2. **Self-Introductions:** Executive Director Hagman provided introductions and the roll was taken.
3. **Public Comment** – No public comment was provided.
4. **Committee Administration**
  - a. Review and Approve Meeting Minutes for October 13, 2023, meeting:  
Hornung/Keller made a motion to approve the minutes and it passed unanimously.
4. **Committee Business**
  - a. Status Report on Kaweah Subbasin Efforts to date was provided by Hagman and Palys.
  - b. GSP Implementation Items
    - i. No project updates were provided.
    - ii. LandIQ Update: Hunter provided the updated on LandIQ reporting and billing efforts
    - iii. Kaweah Subbasin Water Marketing Strategy: Reported on by Buldo/Hunter/Wallace.
6. **New/Other Business:** None
7. **Announcements**
  - a. Next Regular Meeting Date and Time: Friday, December 8, 2023, 8:30 AM.



**8. Closed Session:** The meeting was moved into closed at 10:00 AM and returned from Closed Session at 10:44 AM on the following items with no reportable action:

GOVERNMENT CODE SECTION 54956.9(a)(2) and (a)(4) Anticipated Litigation  
Number of Potential Cases: One

CONFERENCE WITH LEAD NEGOTIATOR Michael Hagman – APN: 052-040-007 easement, right of way or purchase of property. [Government Code Section 54957.6]

**9. Adjournment:** Committee Chair Buldo adjourned the meeting at 10:45 AM.

# MINUTES

## Meeting of the

### Technical Advisory Committee

December 11, 2023, at 8:30 a.m.

Lindmore ID Board Room

240 West Lindmore Street, Lindsay CA 93247

**TAC Members Present:**

Paul Buldo (Sentinel Butte)  
Matt Klinchuch (Remote)  
Craig Wallace (Lindsay-Strathmore)  
Craig Hornung (Wutchumna)  
Aaron Bock (County/County)  
Nick Keller (Exeter/Ivanhoe)  
Calvin Monreal (Lindmore)

**TAC Members Absent:**

Brian Watson (At-large)  
Neyba Amezcua (City of Lindsay)  
Gene Kilgore (SCID)

**Staff/Consultants:**

Michael Hagman (EKGSA)  
Chris Hunter (EKGSA)  
Kaitlyn Palys (remote)  
Abhi Singh (remote)

**Members of the Public**

1. **Call to Order:** Meeting was called to order at 8:37 a.m.
2. **Self-Introductions:** Executive Director Hagman provided introductions and the roll was taken.
3. **Public Comment** – No public comment was provided.
4. **Committee Administration**
  - a. Review and Approve Meeting Minutes for November 3, 2023, meeting:  
Keller/Hornung made a motion to approve the minutes and it passed unanimously.
4. **Committee Business**
  - a. Status Report on Kaweah Subbasin Efforts to date was provided by Hagman and Palys. Palys presented the estimated impacted wells for five years of overdraft and what additional single years of overdraft would expose for domestic dry wells. Palys requested EKGSA TAC technical guidance on Minimum Thresholds with 5x and any additional 1x. TAC wants to stay in the 7x at the upper end. But could consider 8x if the basin is just set on that number.
  - b. GSP Implementation Items
    - i. No project updates were provided.
    - ii. LandIQ Update: Hunter provided the updated on LandIQ reporting and billing efforts
    - iii. Kaweah Subbasin Water Marketing Strategy: Reported on by Buldo/Hunter/Wallace.
6. **New/Other Business:** None

**7. Announcements**

a. Next Regular Meeting Date and Time: Friday, January 12, 2024, 8:30 AM.

**8. Closed Session:** The meeting was moved into closed at 10:00 AM and returned from Closed Session at 10:04 AM on the following items with no reportable action:

GOVERNMENT CODE SECTION 54956.9(a)(2) and (a)(4) Anticipated Litigation  
Number of Potential Cases: One

CONFERENCE WITH LEAD NEGOTIATOR Michael Hagman – APN: 052-040-007 easement, right of way or purchase of property. [Government Code Section 54957.6]

**9. Adjournment:** Committee Chair Buldo adjourned the meeting at 10:04 AM.