



**Castac Basin
Groundwater Sustainability Agency**

MEETING AGENDA

(Item 1 of 3)

Castac Lake Basin Groundwater Sustainability Agency Board of Directors

Public Meeting Agenda 3 September 2019, 6:00 p.m.

Lebec County Water District Office
323 Frazier Mountain Park Road, Lebec, CA 93243

Public records provided to the GSA Board will be available for review at the GSA website (<https://castacgsa.org>), or at the Lebec County Water District Office, 323 Frazier Mountain Park Road, Lebec, California, 93243. The order in which agenda items are discussed may change to accommodate scheduling or other needs of the Board, Committees, the public, or other meeting participants. The GSA Board reserves the right to limit each speaker to three (3) minutes per subject or topic.

- 1. Call to order, moment of silence, flag salute**
- 2. Roll Call**
- 3. Approval of minutes from 4 June 2019 Board of Directors Public Meeting**
- 4. Informational presentation on Groundwater Sustainability Plan (GSP) development effort to date (EKI)**
 - Current groundwater quality conditions
 - Historical and current water budget
 - Revised recommendation for future water budget modeling efforts
- 5. Schedule Special Board Meeting in November**
- 6. Schedule Stakeholder Workshop #2 and provide direction on workshop format**
- 7. Public Comment**

At this time, the public may address the Board on any item not appearing on the agenda that is within the subject matter jurisdiction of the Board. Comments will be limited to three minutes.
- 8. Consider and provide direction on future agenda items**
- 9. Adjourn**

In compliance with the Americans with Disabilities Act, if you need disability-related modifications or accommodations, including auxiliary aids or services, please contact Angelica Martin at (661) 663-4262 by 4:00 p.m. on the Thursday before the meeting.



**Castac Basin
Groundwater Sustainability Agency**

**MINUTES FROM 4 JUNE 2019
BOARD OF DIRECTORS PUBLIC MEETING
(Item 2 of 3)**

MINUTES
CASTAC BASIN GROUNDWATER SUSTAINABILITY AGENCY
BOARD OF DIRECTORS MEETING
JUNE 4, 2019 AT 6:00PM

1. CALL THE MEETING TO ORDER/MINUTE OF SILENCE/FLAG SALUTE

MEETING BEGAN AT 6:02PM

2. Roll Call:

Present – Angelica Martin, Samuel Stern, Allen Lyda, William Hopper, Sandi McElhenny, and Jessica Carroll
Absent – 0

3. Approval of minutes from October 10, 2018 Board of Directors Public Meeting

Chairman Martin made a **MOTION** to approve the Minutes for October 10, 2018 Regular Meeting as written.

Motion SECONDED (SS)

Yea: 4(BH, SS, AM, AL) Nay: 0 Abstain: 0

Board concurs and Motion passes.

4. Informational presentation of Groundwater Sustainability Plan (GSP) development effort to date (EKI)

Presentation by EKI takes place.

5. Stakeholder Workshop #1

- a. Tentatively scheduled for Tuesday July 16, 2019
- b. Discussion of workshop format and location.

Director Lyda made a **MOTION** to schedule the Stakeholder Workshop for July 16, 2019 at 6pm at the Lebec Community Church if available..

Motion SECONDED (AM)

Yea: 4(BH, SS, AM, AL) Nay: 0 Abstain: 0

Board concurs and Motion passes.

6. PUBLIC COMMENT:

At this time, the public may address the Board on any item not appearing on the agenda that is within the subject matter jurisdiction of the Board. Comments will be limited to three minutes.

7. Consider and provide direction on future agenda items:

8. Adjourn:

Chairman Martin made a **MOTION** to adjourn.

Motion SECONDED (AL)

Yea: 4(BH, SS, AM, AL) Nay: 0 Abstain: 0

Board concurs and Motion passes

MEETING WAS ADJOURNED AT 6:50pm



**Castac Basin
Groundwater Sustainability Agency**

**AGENDA MEMORANDUM:
*Revised Recommendation for Future Water
Budget Modeling Efforts***

(Item 3 of 3)

AGENDA MEMORANDUM

Date: 28 August 2019

To: Board of Directors, Castac Basin Groundwater Sustainability Agency (GSA)

From: Anona Dutton, P.G., C.Hg., EKI Environment & Water, Inc. (EKI)
Jeff Shaw, P.G., C.Hg., EKI
Christina Lucero, P.G., EKI

Item: Revised Recommendation for Future Water Budget Modeling Efforts

SUMMARY

Recommendation: Conduct future water budget modeling efforts utilizing a numerical groundwater flow model

Fiscal Impact: No fiscal impact to GSA

Schedule Impact: No schedule impact to the Groundwater Sustainability Plan (GSP)

BACKGROUND

As part of the California Sustainable Groundwater Management Act (SGMA), GSP Regulations require that the “best available science” be used to quantify the historical, current and future water budget for a basin (23-CCR §354.18) and to support the definition of management actions (23-CCR §354.44), among other things. While the use of a numerical groundwater and surface water model is not *required* under the GSP Regulations, 23-CCR §354.18 states that “If a numerical groundwater and surface water model is not used to quantify and evaluate the projected water budget conditions and the potential impacts to beneficial uses and users of groundwater, the Plan shall identify an equally effective method, tool, or analytical model to evaluate projected water budget conditions.

In our Technical Memorandum (TM) entitled *Foundational Efforts to Support GSP Development in the Castac Lake Valley Groundwater Basin* dated 18 December 2018, EKI proposed to use a modified version of an existing analytical spreadsheet model in support of GSP development in the Basin as: (1) the most cost-effective option for the Castac Basin GSA, and (2) reasonably sufficient for the initial GSP. However, the TM also stated “*as analysis progresses as part of GSP development or additional issues are identified (e.g., future artificial Castac Lake filling, significant land use changes, etc.) that may need to be quantified using more sophisticated and spatially refined tools, then a numerical model of the Basin may be needed in the future*”.

Formerly known as Erler & Kalinowski, Inc.

As work has now progressed on the GSP, the following several issues have been identified that suggest that, in fact, a numerical model will be needed to support development of the Castac Basin GSP:

- Tejon-Castac Water District has indicated that Castac Lake may be used as a storage reservoir for some combination of surface water and/or recycled water in the future; interaction of the lake and the underlying aquifer system would be better understood and communicated using a spatially-distributed numerical model than a spreadsheet model;
- Construction of an additional supply well in the basin being considered by Lebec County Water District which will affect patterns of groundwater flow, water levels, and groundwater storage; these changes would be easier to understand and communicate to the public using a numerical model; and
- Understanding of potential future impacts to groundwater dependent ecosystems (GDEs) in the basin would be improved through the use of a spatially-distributed numerical model.