

**Borrego Water District Board of Directors  
Special Meeting  
October 12, 2021 @ 9:00 a.m.  
806 Palm Canyon Drive  
Borrego Springs, CA 92004**

COVID-19 UPDATE: The Borrego Water District Board of Directors meeting as scheduled in an electronic format. BWD will be providing public access to the Meeting thru electronic means only to minimize the spread of the COVID-19 virus, based upon direction from the California Department of Public Health, the California Governor's Office and the County Public Health Office. Anyone who wants to listen to or participate in the meeting is encouraged to observe the GO TO MEETING at:

<https://global.gotomeeting.com/join/487309869>

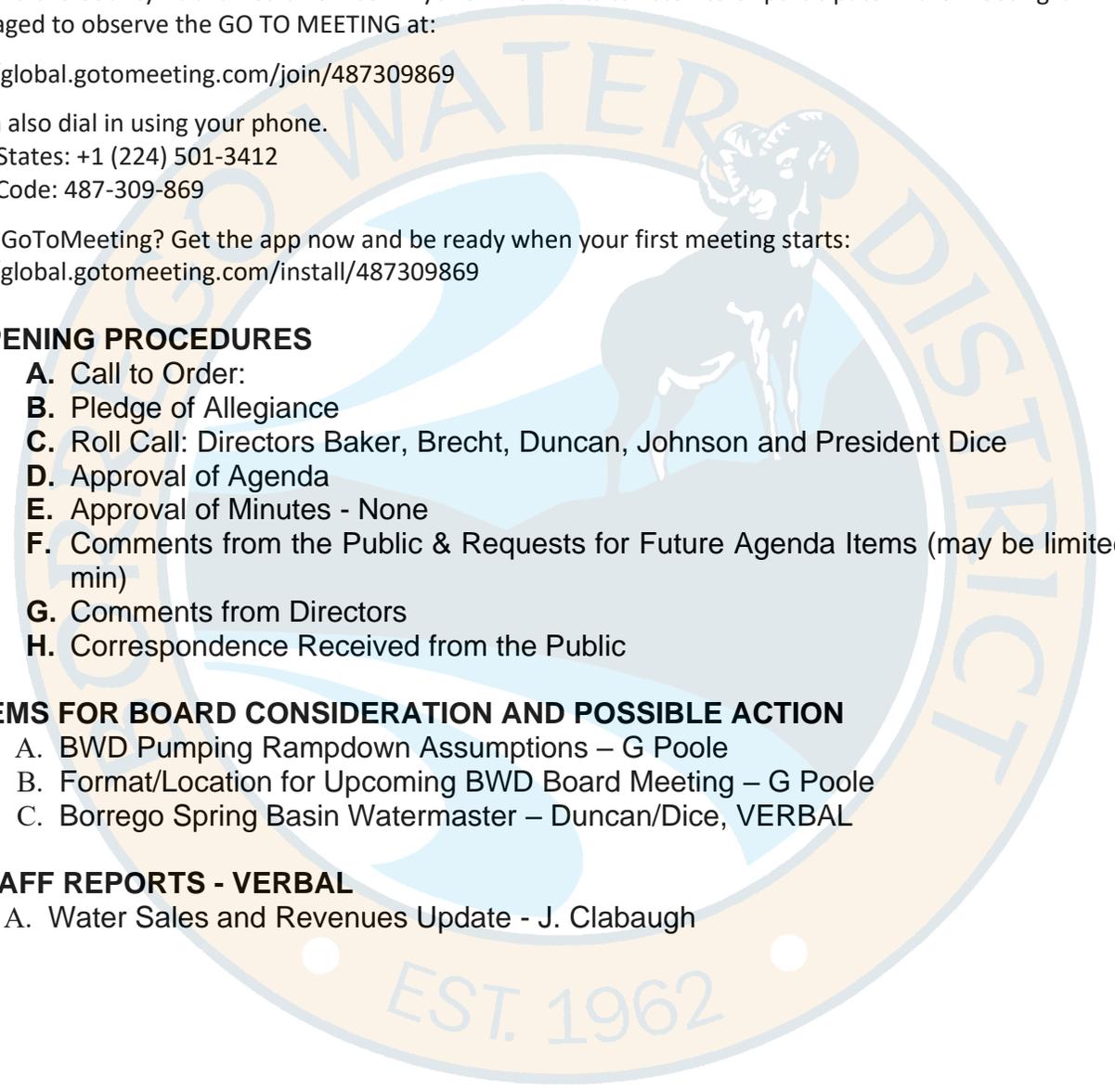
You can also dial in using your phone.

United States: +1 (224) 501-3412

Access Code: 487-309-869

New to GoToMeeting? Get the app now and be ready when your first meeting starts:

<https://global.gotomeeting.com/install/487309869>

- 
- The logo for Borrego Water District is a circular seal. It features a ram in the center, standing on a rocky outcrop. The words "BORREGO WATER DISTRICT" are written around the perimeter of the seal, and "EST. 1962" is at the bottom. The seal is light blue and yellow.
- I. OPENING PROCEDURES**
- A. Call to Order:
  - B. Pledge of Allegiance
  - C. Roll Call: Directors Baker, Brecht, Duncan, Johnson and President Dice
  - D. Approval of Agenda
  - E. Approval of Minutes - None
  - F. Comments from the Public & Requests for Future Agenda Items (may be limited to 3 min)
  - G. Comments from Directors
  - H. Correspondence Received from the Public
- II. ITEMS FOR BOARD CONSIDERATION AND POSSIBLE ACTION**
- A. BWD Pumping Rampdown Assumptions – G Poole
  - B. Format/Location for Upcoming BWD Board Meeting – G Poole
  - C. Borrego Spring Basin Watermaster – Duncan/Dice, VERBAL
- III. STAFF REPORTS - VERBAL**
- A. Water Sales and Revenues Update - J. Clabaugh

AGENDA: October 12, 2021

All Documents for public review on file with the District's secretary located at 806 Palm Canyon Drive, Borrego Springs CA 92004. Any public record provided to a majority of the Board of Directors less than 72 hours prior to the meeting, regarding any item on the open session portion of this agenda, is available for public inspection during normal business hours at the Office of the Board Secretary, located at 806 Palm Canyon Drive, Borrego Springs CA 92004.

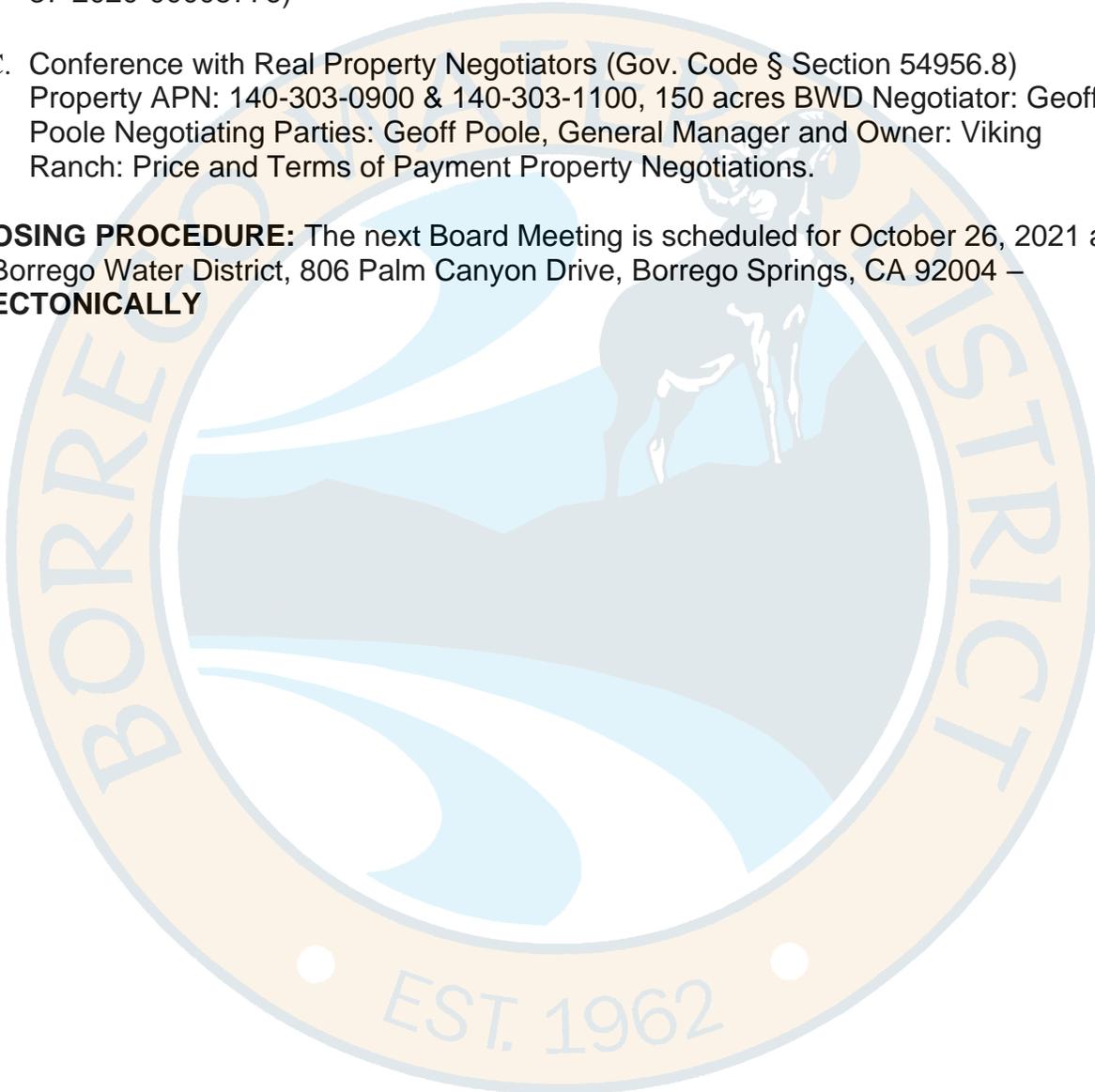
The Borrego Springs Water District complies with the Americans with Disabilities Act. Persons with special needs should call Geoff Poole at (760) 767 – 5806 at least 48 hours in advance of the start of this meeting, in order to enable the District to make reasonable arrangements to ensure accessibility.

If you challenge any action of the Board of Directors in court, you may be limited to raising only those issues you or someone else raised at the public hearing, or in written correspondence delivered to the Board of Directors (c/o the Board Secretary) at, or prior to, the public hearing.

**IV. CLOSED SESSION:**

- A. Conference with Legal Counsel - Significant exposure to litigation pursuant to paragraph (3) of subdivision (d) of Section 54956.9: (Two (2) potential cases)
- B. Conference with Legal Counsel – Existing Litigation (BWD v. All Persons Who Claim a Right to Extract Groundwater, et al. (San Diego Superior Court case no. 37-2020-00005776)
- C. Conference with Real Property Negotiators (Gov. Code § Section 54956.8) Property APN: 140-303-0900 & 140-303-1100, 150 acres BWD Negotiator: Geoff Poole Negotiating Parties: Geoff Poole, General Manager and Owner: Viking Ranch: Price and Terms of Payment Property Negotiations.

- v. CLOSING PROCEDURE:** The next Board Meeting is scheduled for October 26, 2021 at 9 AM @ Borrego Water District, 806 Palm Canyon Drive, Borrego Springs, CA 92004 – **ELECTONICALLY**



AGENDA: October 12, 2021

All Documents for public review on file with the District's secretary located at 806 Palm Canyon Drive, Borrego Springs CA 92004. Any public record provided to a majority of the Board of Directors less than 72 hours prior to the meeting, regarding any item on the open session portion of this agenda, is available for public inspection during normal business hours at the Office of the Board Secretary, located at 806 Palm Canyon Drive, Borrego Springs CA 92004.

The Borrego Springs Water District complies with the Americans with Disabilities Act. Persons with special needs should call Geoff Poole at (760) 767 – 5806 at least 48 hours in advance of the start of this meeting, in order to enable the District to make reasonable arrangements to ensure accessibility.

If you challenge any action of the Board of Directors in court, you may be limited to raising only those issues you or someone else raised at the public hearing, or in written correspondence delivered to the Board of Directors (c/o the Board Secretary) at, or prior to, the public hearing.

BORREGO WATER DISTRICT  
BOARD OF DIRECTORS MEETING  
OCTOBER 12, 2021  
AGENDA ITEM II.A

October 7, 2021

TO: Board of Directors  
FROM: Geoffrey Poole, General Manager/David Dale, PE District Engineer  
SUBJECT: BWD Pumping Rampdown Assumptions – G Poole

**RECOMMENDED ACTION:**

Review Draft Pumping Rampdown Assumptions and direct staff as deemed appropriate.

**ITEM EXPLANATION:**

The Borrego Springs Basin Judgement specified the terms in which future pumping reductions will be implemented for sustainability. BWD staff is working on a Model to project when water right acquisition will need to occur to meet the existing customer demands thru 2040 and beyond. To perform that task, some key assumptions are needed of which Staff would like to review and receive Board Input, as follows:

**ASSUMPTIONS**

**A. BWD Water Rights in 2020 and 2040**

The Judgment specifies in years 1 thru 10, the BPA rampdown is 5% per year and 2.5% per year for years 11 thru 20 = 75% total. The Judgment also specified the initial water rights/BPA of all 2010-15 pumpers, which for BWD is 2,581 afy (including accumulated water credits), therefore subtracting the 75% rampdown, the water rights remaining for BWD in 2040 is 645 afy (2,581 X .25%). In 5 year intervals, the GWP will be re evaluated by the BS WaterMaster and the possibility exists the rampdown percentage and rate could change, which would require an adjustment to BWP planning efforts.

RECOMMENDATION, the Model will assume BWD 2040 water supply starts at 2,581 afy and ends at 645 afy following the rampdown rate approved in the Judgment and adjusted if changes in rampdown are ever approved by the Water Master.

**B. Define Existing Demands for Planning Efforts**

BWD is accepting the responsibility to provide water supply for its “existing” customers during and after the rampdown ends in 2040+. Any new development will need to acquire its own water supply that would be added to BWDs pumping allowance. In the last two water years, 1,550 afy

and 1,501 afy were pumped by BWD. Staff feels these quantities reflect what should be considered as “existing” demands.

INITIAL RECOMMEDATION: Consider 1,550 afy as “existing” demand for the purposes of developing a rampdown model to show how much water is needed and when. In addition, identify factors that will or are likely to increase demands in the future.

### **C. Identify Factors That Will or Are Likely to Increase Demands = Installed Meters with No Usage & Anthropogenic Climate Disruption (ACD)**

\*Installed Meters with No Usage: 110 meters have been installed in BWD service area and have yet to show usage. Assuming the 110 meters will eventually consume water at the typical single family residential consumption of .44 afy X 5 for rampdown multiplier = 2.2 afy X 110 meters = 242 af of water supply expressed as BPA or 60 af in 2040 at current rampdown rate, subject to change.

INITIAL RECOMMENDATION: ADD 242 af to BWD total Basin Pumping at a rate spread over the remainder of rampdown, 18 years @ 13.4 afy.

\*ACD: Of the various factors that could impact water demands of existing customers, climate change poses a significant impact to Borrego Springs and the surrounding State Park. Soil temperatures are expected to increase in the future and less frequent but more extreme storms will be generated.

#### Potential Supply/Demand Changes Under Anthropogenic Climate Disruption (ACD) by Director Brecht

To date, most of the modeling of ACD has focused on potential changes to basin hydrologic inputs. Less work has occurred on customer supply demand affecting municipal demand. In BWD’s case, ACD’s effects will be experienced as primarily changes in variability of rainfall in the Valley floor, affecting irrigation needs for residential landscaping. Based on current regional climate models, changes in variability of rain effects: their frequency, duration, and amount could result in +/- 30% of historical norms during the past 50-years or so. There is no way to estimate exactly when such effects will be seen regionally or their direction during any one specific time period. Already, in certain parts of the US, such effects from ABD and at scale are presently in progress and are expressed inaccurately as a once in a hundred years, or once in 500 years (or even 1,000 years) rain event or drought.

Ameliorating the upside increase of future demand regionally are two factors: (a) the rapidly increasing cost of municipal water used to irrigate residential landscapes, and (b) the relatively rapid die off of non-native trees and ornamentals over the past few years due to summer heat that together have reduced landscape irrigation demand for municipal water that has steadily decreased overall municipal demand over the past 10-years or so (residential landscaping accounts for about 70% of total residential demand).

The net effect of these two opposing factors, an increase in demand from ACD impacts in a positive direction and decrease in demand for landscape irrigation in a negative direction, suggests a conservative adjustment of 1% annually in supply availability over existing demand as a prudent margin of error to plan for BPA supply by the year 2040. In this case, something is better than nothing and ACD is a highly risky issue to be at all negligent.

RECOMMENDATION: Add 1% to BWD Pumping projections per year to reflect ACD.

## **D. Accommodations for Growth**

A Board discussion is being requested to discuss the potential for BWD to acquire additional supply for “growth”. BWD is currently offering water supply to small developments through a Pilot Program of up to 6 afy of 2040 supply and Staff is requesting a discussion on the Board preferences to include continuation of this Program into the Model or not.

RECOMMENDATION: Board discuss and agree upon including additional demand in the rampdown model for new development, or not.

### **NEXT STEPS**

Staff will incorporate the Boards preferences on the issues above into a Model to be shared at the 10-26 meeting.

### **FISCAL IMPACT**

TBD

### **ATTACHMENTS**

1. None



BORREGO WATER DISTRICT  
BOARD OF DIRECTORS MEETING  
OCTOBER 12, 2021  
AGENDA ITEM II.B

October 7, 2021

TO: Board of Directors  
FROM: David Dale, PE District Engineer  
SUBJECT: Format/Location for Upcoming BWD Board Meeting – G Poole

**RECOMMENDED ACTION:**

Discuss future Board Meeting format and location

**ITEM EXPLANATION:**

As reported upon at the September 28<sup>th</sup> meeting, Governor Newsome has changed the public meeting requirements and BWD will need to adopt a Resolution each month with various declarations on why we are still meeting virtually. Staff would like to discuss the Board preferences about in person meetings and if in person is the preference, a choice between meeting at BWD or The Library, which is now fully open and meeting rooms available. There is no requirement to meet in person, so if the Board prefers to remain virtual out of an abundance of caution, that's OK. A Resolution will appear each month in one BWD Board Agenda making declarations on why we are still virtual.

**NEXT STEPS**

Implement the Boards direction.

**FISCAL IMPACT**

N/A

**ATTACHMENTS**

1. None

BORREGO WATER DISTRICT  
BOARD OF DIRECTORS MEETING  
OCTOBER 12, 2021  
AGENDA ITEM II.C

October 7, 2021

TO: Board of Directors

FROM: Geoffrey Poole, General Manager

SUBJECT: Borrego Spring Basin Watermaster

- i. Update on Activities – Duncan/Dice VERBAL

