

NEVADA IRRIGATION DISTRICT

BOARD OF DIRECTORS

MINUTES

July 25, 2023

The Board of Directors of the Nevada Irrigation District convened in special session at the District's main office located at 1036 W. Main Street, Grass Valley, on the 25th day of July 2023, at 4 p.m.

Present were Karen Hull, President (Division III) and Rich Johansen, Vice President (Division V), and Directors Ricki Heck (Division I); Chris Bierwagen, (Division II); and Trevor Caulder (Division IV).

Staff members present included Jennifer Hanson, General Manager; Doug Roderick, Director of Engineering; Chip Close, Director of Water Operations; Keane Sommers, Director of Power Systems; Monica Reyes, Director of Recreation; Naomi Schmitt, Director of Human Resources; and Kris Stepanian, Board Secretary.

STANDING ORDERS

- Call to Order: President Hull called the meeting to order
- President Hull led the Pledge of Allegiance
- Members Present - 5

WORKSHOP ITEMS

PLAN FOR WATER WORKSHOP - STAGES 7-11: GLOBAL CLIMATE PROJECTIONS AND UNIMPAIRED HYDROLOGY

Jennifer Hanson, General Manager, introduced Luciana Cunha, with West Consultants, and Katie Klug, with Davids Engineering, who provided presentations.

Board Discussion ensued as follows:

- Historical climate data before 1976
- Determining non-biased target
- TAF = thousand-acre feet
- Understanding temperature variability projected around the year 2040
- Interpreting the Average Annual Temperature chart, the average for the whole watershed and viewing by season
- Regulatory demand discussion at a future Plan for Water workshop
- Calculating demand based on vegetation and evapotranspiration
- Calculating system loss percentages
- Winter chill data on agriculture in the region, increasing temps and variables of crops

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- Monitoring and automation systems to assist in determining losses
- Baseline demand and tracking
- Removing the word "idling" from slide 33 – Raw Water Low-Bookend
- Looking into a longer irrigation season

Public Comment:

- Michael Ross, member of the public:
 - Requested explanation regarding the determination of bias or no bias in the "no data observed" areas
 - Asked about any plan to incorporate future data collected
 - Demand management methodologies for water supply alternatives
 - Capturing data at the end of canals
 - Beneficial Use
 - The historical average rate of new customers
 - Population increase scenarios
 - Commented on projected demand scenarios and recommended using demand management scenarios
- Laura Peters, past NID Board member:
 - Requested clarification regarding system losses and how it is determined
 - Inquired about the historical number of connections
 - Commented on the Plan for Water process
- Otis Wollan, resident of Colfax:
 - Commented on his experience with Placer Water Agency, demand assumptions, water theft, evaporation, and the need for parcel-by-parcel information
 - Provided the Board with his compiled questions entitled *Fire History as it Informs Water Planning*, regarding fire perspective and District-owned property
 - Commented on ETo for different climate change scenarios– high bookend
 - Expressed his appreciation for the work being done
- Dianna Suarez, resident of Colfax:
 - Commented on the baseline and high bookend assumptions shown on the demand scenarios slide and the amount of unirrigated land
 - Asked if assuming the future is going to look like the past
 - Increased uncertainty when recalibrating further into the future
- Peter VanZant, member of the public:
 - Commented on low-bookend projection – 20% demand reduction
 - Climate/ag change scenario when less water
 - Commented on Nevada County's projections of a 2-3% population increase
 - Inquired about the current demand

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MEETING ADJOURNED at 5:50 p.m., to reconvene in regular session on Wednesday, July 26, 2023, at 9:00 a.m. at the District's Business Center located at 1036 West Main Street, Grass Valley, California.

Submitted By

A handwritten signature in cursive script that reads "Kris Stepanian".

Kris Stepanian, Board Secretary

