

NEVADA IRRIGATION DISTRICT

BOARD OF DIRECTORS

MINUTES

May 23, 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 23rd day of May 2023, at 4 p.m.

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

Director Ricki Heck (Division I), was absent.

Staff members present included Jennifer Hanson, General Manager; Greg Jones, Assistant General Manager; Doug Roderick, Director of Engineering; Chip Close, Director of Water Operations; Keane Sommers, Director of Power Systems; and Kris Stepanian, Board Secretary.

STANDING ORDERS

- Call to Order: President Hull called the meeting to order
- President Hull led the Pledge of Allegiance
- Roll Call: 4 Members Present 1 Member Absent (as noted above)

WORKSHOP ITEMS

PLAN FOR WATER MATRIX AND PROCESS CHECK-IN

Jennifer Hanson, General Manager, provided a process check-in and noted a modification is being made to the last column on the second page of the matrix regarding the number of meetings.

Board discussion ensued regarding the timeline shown on the matrix and the anticipated completion by the end of 2023.

Public Comment:

- Otis Wollan, member of the public:
- Process timeline
- Determining demand
- Water balance assessment
- The time needed to allow stakeholder and customer feedback

Director Caulder left the meeting at 4:14 p.m. and returned at 4:16 p.m.

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PLAN FOR WATER WORKSHOP - STAGES 7, 8, AND 9: GLOBAL CLIMATE PROJECTIONS AND UNIMPAIRED HYDROLOGY

Jennifer Hanson, General Manager, introduced the item and presentations were provided by consultants.

Luciana Cunha, Vice President at West Consultants, provided a presentation on Global Climate Projections, including:

- GCM – CMIP6 (Global Climate Model – Coupled Model Intercomparison Project Phase 6)
- Downscaled GCM (Global Climate Models)
- Model Selection
- Emission Scenarios
- Data Processing/Examples
- Next Steps

Megan Lambert, Sr. Engineer with HDR, provided a presentation on Historical Unimpaired Hydrology, including:

- Objectives
- History of Unimpaired Hydrology
- Database & Hydrology Extension
- Validation

Board Discussion ensued as follows:

- Utilizing both historical hydrology and projected hydrology
- Understanding process-based Ranking and Local Climate Ranking
- Global Emission scenarios and statistically downscaling
- Total annual precipitation and future projections and increased variability
- Request made to include legend/key on charts
- PDSI (Palmer Drought Severity Index) - Precipitation and Temperature: Combined Effect
- Temperature increases
- Unimpaired hydrology

Public Comment:

- Gus Tolley, member of the public, commented on the following:
 - Commented on statistically downscaled datasets and factoring in historical statistics and future climate change statistic
- Peter Burnes, member of the public, commented on the following:
 - Requested clarification on the green dotted line of Emission Scenario slide
 - Average and range possibilities in the model
 - Inquired how the gauge above Spaulding does a good job
- George Olive, member of the public:
 - Confirmed Global Climate data began in 1950

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- Commented on the timeline in the Matrix, complexity, and wrapping up by year-end

MEETING ADJOURNED at 5:50 p.m., to reconvene in regular session on Wednesday, May 24, 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 blue ink that reads "Kris Stepanian". The signature is written in a cursive style with a large initial "K".

Kris Stepanian, Board Secretary