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## RECLAMATION DISTRICT NO. 1000 BOARD OF TRUSTEES MEETING

**August 11, 2023  
MEETING MINUTES**

Members of the Board of Trustees and the public participated in this meeting in person and by teleconference. Present were Board President Elena Lee Reeder; Trustee Thomas Gilbert; Trustee Nick Avdis; Trustee Jag Bains; Trustee Thomas Barandas; Trustee Edwin Perez; Trustee Tom Smith; General Co-Counsel Scott Shapiro; General Manager Kevin King; Operations Manager Gabe Holleman; Administrative Services Manager Joleen Gutierrez and Administrative Assistant Christina Forehand.

### **1. PRELIMINARY**

#### 1.1. Call Meeting to Order

Board President Elena Lee Reeder called the meeting to order.

#### 1.2. Roll Call

ASM Gutierrez called the roll.

Present: Trustee Lee Reeder, Gilbert, Avdis, Bains, Barandas, Perez, Smith

Absent: None

*Trustee Jag Bains departed the meeting at 8:37.*

#### 1.3. Approval of Agenda

MOVED/SECOND: Trustee Avdis/Trustee Perez

AYES: Trustee Lee Reeder, Gilbert, Avdis, Bains, Barandas, Perez, Smith

NOES: None

ABSENT: None

ABSTAIN: None

ACTION: The motion to approve the August 11, 2023, Board Meeting agenda is approved.

#### 1.4. Pledge of Allegiance

Trustee Gilbert led the Pledge of Allegiance.

1.5. Conflict of Interest (*Any Agenda items that might be a conflict of interest to any Trustee should be identified by the Trustee involved*)

There were no conflicts identified by the Trustees.

**2. PRESENTATIONS**

2.1 Natomas Basin Hydrologic Model Update – Civil Engineering Solutions, Inc. (Thomas Plummer)

GM King introduced the speaker as Thomas Plummer from Civil Engineering Solutions. They have been updating the Natomas Basin Flood Model per a cost-share agreement made with the District.

Mr. Plummer provided a historical overview of the flood models used. He shared the District has been using the XPSWMM Model to map out flood risk across the District since the late 1980s. In the 1990s, improvements were made for FEMA flood mapping purposes. The most significant improvements to the model occurred between 2014-2017 when updated for the urban level of protection update studies. The model was a single model that does hydrology and hydraulics and represents system flows well. In the 2000s, the District purchased the Grandpark Model (two separate models, hydrology and hydraulics), which inspired the District's new Basin-wide model, where mapping improvements are being made by accounting for every sq ft water flow and infiltration rates using LiDAR, GIS, complex calculations and calibration.

The hydrology modeling program SACCALC can run two-year to 500-year flood events. Historic storms can also be input. This program solves the problem of how rainfall turns into runoff at the source.

A two-dimensional hydraulic model uses the physical characteristics of the basin to compute flow delay and behavior. It divides the floodplain into 1.6 million cells of varying sizes. The model includes essential infrastructure such as pump stations and their storage areas. It also includes time-corrected Sankey Gap Spill Flows and PGCC culverts that discharge into the basin. External flood elevations were included to allow PGCC culvert computing.

The 2017 precipitation event served as a calibration event for SACCALC. There are seven rainfall gages throughout the District.

A copy of Mr. Plummer's presentation slides will be provided to the trustees for further review.

Mr. Plummer ended his presentation by highlighting additional uses of the Basin-Wide Model: Development Impact Analysis and Assessment; Pump Station Operations and Optimization Assessments – internal (local agency pumps), RD1000 Pump Stations, and benefit assessments of specific pumps; Evaluations of Hydraulic Constraints; Evaluations of Attenuation Benefits; ULOP/ULDC Analysis; Evaluation of other Events; Evacuation Plans; Flood Damage Assessments; Flood Prediction and Forecasting as well as What If Scenarios.

Mr. Plummer stated that outreach to the stakeholders (i.e., the County and the City) has already been done. One of the most significant challenges will be recertifying the previously certified levees. Another step he is working towards is preparing the FEMA remapping application for the Interior areas of the Basin using modeling.

Overall, mapping efforts are close to being completed; however, the project may need to be put on hold while the city works towards recertifying the interior levees.

GM King mentioned that RD1000 has been meeting with the City and County to discuss the valuation of the interior drains and deficiencies that need to be addressed. He also expressed interest in an Operations Committee meeting once KSN provides the Engineer's Estimate for district canals.

Trustee Lee Reeder expressed her interest in the levee recertification topic.

Trustee Smith requested a comparison of the pre-project and post-project floodplain mapping. Mr. Plummer explained the differences between the two maps and the methods used to draw them. Trustee Smith then asked for clarification on the colors of the post-project map. Mr. Plummer explained that the dark green seen on the map represented floodplains.

Trustee Smith asked if events such as pump failures were included in the model, to which GM King indicated that this would be considered in future plans for the project.

Trustee Avdis expressed his appreciation for our work, district leadership, and Mr. Plummer's thoroughness on this project.

### **3. PUBLIC COMMENT (NON-AGENDA ITEMS)**

*Any person desiring to speak on a matter which is not scheduled on this agenda may do so under the Public Comments section. Speaker times are limited to three (3) minutes per person on any matter within RD 1000's jurisdiction not on the Agenda.*

There were no public comments received or made.

### **4. INFORMATIONAL ITEMS**

#### **4.1. GENERAL MANAGER'S REPORT: Update on activities since the July 2023 Board Meeting.**

A copy of the General Manager's Report has been included in the August 11 Board packet.

General Manager King stated that he attended the National Association of Flood and Storm Management Agencies (NAFSMA) awards on behalf of RD1000, to accept a first-place award for Excellence in Communication for the 4Natomas outreach effort. Counsel Shapiro added that the only award decision that the NAFSMA panel was unanimous on was the District's first-place ranking.

GM King reported that Trustee Lee Reeder and Trustee Avdis met with Congressman Ami Bera earlier that week to follow up on the District's Community Project Fund application. The plan is to create a stronger application for next year's application window.

The September 8 Board Meeting will be scheduled for 10 a.m. A head count for attendance at the meeting, and the Employee BBQ was requested.

GM King announced that the District has won first place in CSDA's Excellence in Communication Award. He will present with the outreach team as a follow-up to the award.

GM King has presented a more sustainable alternative to an annual Steelhead Creek cleanup involving effective security patrols. A temporary restraining order (TRO) has been placed on the

City of Sacramento for the enforcement of the encampment ordinance, temporarily limiting the District's ability to vacate encampments before a cleanup.

An Operations Committee meeting is due soon to discuss several projects that have been determined to need correction before the recertification of the interior levees. The Operations Committee will discuss and hopefully recommend that RD1000 may not need interior levee recertification. Cost-sharing of the project corrections will also need to be discussed.

GM King invited the Trustees to schedule one-on-one lunches with him, as the Board desired.

Trustee Avdis requested that the Operations Committee meet sometime soon to follow up on Mr. Plummer's presentation.

Trustee Perez brought up concern for Sunday's cleanup (8/13), as the recently issued TRO issued to the City of Sacramento by a Sacramento Federal Judge preventing the removal of homeless camps until an injunction hearing decision extends or removes the TRO. GM King confirmed that this cleanup will be affected.

4.2. OPERATIONS MANAGER'S REPORT: Update on activities since the July 2023 Board Meeting.

A copy of the Operation Manager's Report has been included in the August 11 Board packet.

4.3. DISTRICT COUNSEL'S REPORT: Update on activities since the July 2023 Board Meeting.

Co-Counsel Smith provided a verbal update of counsel's work during July 2023.

**5. CONSENT CALENDAR**

*The Board considers all Consent Calendar items routine and will adopt them in one motion. There is no discussion on these items before the Board votes on the motion unless Trustees, staff, or the public request specific items be discussed and/or removed from the Consent Calendar.*

MOVED/SECOND: Trustee Avdis/Trustee Perez

AYES: Trustee Lee Reeder, Gilbert, Avdis, Barandas, Perez, Smith

NOES: None

ABSENT: Trustee Bains

ABSTAIN: None

ACTION: The motion to approve the August 11, 2023, Board Meeting agenda is approved.

5.1. APPROVAL OF MINUTES: Approval of Minutes from the July 14, 2023, Board Meeting.

5.2. TREASURER'S REPORT: Approve Treasurer's Report for July 2023.

5.3. EXPENDITURE REPORT: Review and Accept Report for July 2023.

5.4. BUDGET TO ACTUAL REPORT: Review and Accept Report for July 2023.

5.5. MEMORANDUM OF UNDERSTANDING: Authorize General Manager to Execute a Memorandum of Understanding with the City of Sacramento for Ninos Parkway Trail Crossing.

**6. SCHEDULED ITEMS**

No Scheduled Items

## **7. BOARD OF TRUSTEE'S COMMENTS/REPORTS**

### 7.1. BOARD ACTIVITY UPDATES:

#### 7.1.1. RD 1000 Committee Meetings Since Last Board Meeting

- Executive Committee (Lee Reeder & Gilbert) August 2, 2023

#### 7.1.2. RD 1000 Committees No Meetings Since Last Board Meeting

- Finance Committee
- Legal Committee
- Personnel Committee
- Operations Committee
- Urbanization Committee

## **8. CLOSED SESSION**

There were no Closed Session items.

## **9. ADJOURN**

Trustee Perez motioned to adjourn the meeting. Trustee Smith seconded. All trustees present said aye. The meeting was adjourned.