

## **ZONE 7 BOARD OF DIRECTORS WATER RESOURCES COMMITTEE**

DATE: Tuesday, October 8, 2024  
TIME: 11:00 a.m.  
LOCATION: Boardroom  
Zone 7 Administration Building  
100 North Canyons Parkway  
Livermore, California

Director Figuers  
Director Green  
Director Palmer

### **AGENDA**

1. Call Meeting to Order
2. Public Comment on Items Not on the Agenda
3. Livermore Valley Hydrogeological Investigations and Groundwater Model Update
4. Verbal Reports
5. Adjournment



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**DATE:** October 8, 2024

**TO:** Water Resources Committee

**FROM:** Jacob Danielsen, Water Resources Technician II

**SUBJECT:** Livermore Valley Hydrogeological Investigations and Groundwater Model Update

**SUMMARY:**

This action is in support of Zone 7 Water Agency's Strategic Goal C - Groundwater Management, and to implement the Strategic Plan Initiatives Initiative #7 - Manage the GSA and implement the groundwater management plan; and Initiative #8 - Study and refine knowledge of the groundwater basins.

With the Resolution No. 23-68, the Board authorized the General Manager to negotiate and execute a professional services contract with EKI Environment and Water, Inc. (EKI) to complete the Livermore Valley Hydrogeologic Investigations and Groundwater Model Update on September 20, 2023.

The model update project began in November 2023, and the following tasks have been completed to date:

- Conducting hydrogeologic field investigations to fill data gaps
  - Geophysical studies
  - Pumping Tests
- Constructing a three-dimensional geological model on the Leapfrog modeling platform using new and existing geological data and information
- Expanding model domain and building a hydrogeologic conceptual model
- Updating aquifer characteristics, model layers, and grids

The project is currently on schedule and budget, and the updated groundwater model is on track to be functional by December 2024.

In this meeting, staff will report to the committee on the project's status and discuss the completed tasks, including a summary and capabilities of the Leapfrog Model.

**FUNDING:**

No funding is requested at this time.

**RECOMMENDED ACTION:** Information only.