# SWEETWATER SPRINGS WATER DISTRICT

**TO:** Board of Directors **AGENDA NO. V-A**

**FROM:** Steve Mack, General Manager

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**Meeting Date: June 7, 2018**

## SUBJECT: GUERNEWOOD PARK RESORT WATER SERVICE MODELLING RESULTS

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**RECOMMENDED ACTION:** Receive a presentation from General Manager Steve Mack regarding the progress on computer modeling the Guernewood Park Resort request for water service from the District and provide direction to staff.

**FISCAL IMPACT:** none at this time.

**DISCUSSION:**

The Guernewood Park Resort (Resort) is a proposed hotel/motel with a reported 120 rooms and a restaurant which is located next to the Dubrava Condominiums and Hulburt Creek in Guernewood Park. Coastland Engineering is developing a model to determine whether the District's Guerneville System can supply water to the Resort without impacting existing District operations.

On May 22 District staff and Coastland staff had a progress meeting to discuss model progress. A working version of the model has been completed. The results of a preliminary model run were reviewed. Staff noticed that static water pressures at the Resort were too low; much lower than current static water pressures. Even with that issue, the model results indicated that the District should be able to supply water to the Resort without substantial capital modifications to District facilities. Items to check include:

- Correct the tank elevation error(s) that result in the incorrect static water pressures.
- Realistic usage figures (what was given is way too high, almost 15% of District demand).
- Written determination from County Fire on what their fire flow demands will be for hydrants in the area.
- Make certain reservoirs at the edges of the Guerneville system (Rio Nido, Canyon 3, for examples) will be filling while the Resort on peak flow days.