

**MEMORANDUM**  
**Ella's Vineyard Winery and Tasting Room**  
**Water Management – 1598-01**



**Date:** February 2, 2023

**To:** Holly Phipps  
County of San Luis Obispo  
Department of Planning and Building

**From:** Rob Miller, P.E.

**Subject:** Addendum No. 1 to Ella's Vineyard Winery and Tasting Room Water Use and Offset Analysis

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TRANSPORTATION  
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WATER RESOURCES

Wallace Group has been retained to assist with the water management strategies for the proposed Ella's Vineyard Winery and Tasting Room improvements project. Our office previously issued the attached analysis dated September 1, 2020, which focused on the additional incremental demand associated with the anticipated increased visitor population and associated tasting room employees. The purpose of this addendum is to account for additional demands associated with special events. It is our understanding that event meals will be catered from offsite facilities, and that temporary sanitation facilities will not be used. As a result, we recommend a per capita estimate of 5 gallons per event attendee. The maximum annual event population is calculated as follows:

- 15 events per year with a maximum of 150 attendees
- 10 events per year with a maximum of 200 attendees
- 5 events per year with a maximum of 250 attendees

The total annual maximum population for events is therefore 5,500 attendees. Assuming 5 gallons per attendee, an additional water demand of 27,500 gallons per year is estimated, which is equivalent to **0.084 acre-feet per year**. If this quantity is added to our previous analysis, the total new demand for the project is 0.184 acre-feet per year, which would require an offset (2:1 ratio) of 0.368 acre-feet.

Consistent our previous analysis, this water use will be offset as follows:

- Recharge of groundwater basin via leach field disposal, estimated at 80% of indoor water usage ( $0.084 \times 80\%$ ) = 0.067 acre-feet per year
- 160 square ft of irrigated turf removal at 4.8 acre-ft/acre/year, which is equivalent to 0.017 acre-ft per year

Please let me know if you have any questions, or if you need more information.

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