

**DISTRICT 3 (Supervisor Don Horsley)**  
**FYs 2015-17 Measure K Request**  
**University of California Cooperative Extension**  
**Agricultural Water Needs Assessment Phase II**

This is a request to authorize an agreement with University of California Cooperative Extension - San Mateo and San Francisco Counties (UCCE) for \$11,000 for Phase Two of an Agricultural Water Needs Assessment. The proposed agreement will be administered and managed by the County's Office of Sustainability.

The Agricultural Water Needs assessment is being co-led by UCCE and the San Mateo County Resource Conservation District (RCD). Phase One, led by the RCD is nearing completion. The RCD collected data currently available from a variety of local and statewide resources, including spatial data on soils, crop types and know evapotranspiration (ET) rates. In addition, the RCD will produce a mapping product which includes soil type, crop type (s), estimated and measured Distribution Uniformities and ET rates.

Phase Two will consist of the analysis of the data and recommendations. The plan calls for engaging a graduate student to work with UCCE San Mateo County. A graduate student will be recruited from a local UC campus to work closely with UCCE academics on a collaborative project to enhance the cooperative relationship between UC and the local community. The Agricultural Water Needs Assessment project will be done under the supervision of Drs. Sheena Sidhu and Igor Lacan at the UCCE San Mateo, and Dr. Daniele Zaccaria at UC Davis. A graduate student has been identified and recruited and will initiate the work in May, 2017. The \$11,000 will provide a local partner contribution for distribution to support the graduate student and the research program.

The Office of Sustainability will work with the UCCE San Mateo County on including performance objectives for the County's Measure K funds in the agreement.

**Total Measure K Request: \$11,000**