

# Potential Initial Steps for Pumping Reduction – Irrigation Water Efficiency Improvements

Ranch-Specific Water Uses, Opportunities, and Limitations

## Surface Conveyance Improvements



## Sprinkler System Improvements





# Intermediate and Long-term Actions will be Necessary

Efficiency improvements will not to reduce pumping amounts to levels required to stabilize drawdown.

Groundwater use management structure

- accountability

- effective

Diamond Valley approach - Issue shares in groundwater based on current or historical use, progressively reduce duty assigned to share.

Drought water supply management

Options for more effective use of surface waters

Crop type conversions

Everything on the table for consideration



# Specifics of Management Actions for Sierra Valley to be more concretely developed and advanced *over the forthcoming year*

Technical Viability

Legal Viability

Economical Viability

Time Considerations

