

Draft

Santa Cruz Water Supply Advisory Committee

Technical Summary for Alts Selected for Recon Evaluation and MCDS Exercise

The attached form presents a draft approach to a concise summary presentation for characteristics and initial evaluation for the City of Santa Cruz water supply alternatives. Key features include:

- Estimated alternative annual yield
- Assessment of reliability
- Estimated costs at an order-of-magnitude accuracy level. Costs include both the initial estimates and an error bound around the estimate, typically minus 50 percent to plus 100 percent at this accuracy level.

The summary also will present abbreviated notes on implementation and permitting requirements together with environmental considerations, any legal requirements, and overall issues to resolve if the City proceeds with further planning and implementation. Implementation will address construction activities and constraints. Permitting will list known permits such as might be required from California Fish and Wildlife (e.g., stream bed alteration permit), National Marine Fisheries Service, and Caltrans (e.g., easement for a pipeline along state highways). Environmental issues could include known sensitive habitats, fish bypass flows, energy and carbon footprint needed per unit of water delivered, and construction or operational concerns. Legal issues might include water rights and cross-jurisdiction water transfers. Overall issues might address the need for interagency agreements over water transfers and water storage.