

**Title: Assessing Greywater Systems, Greywater Quality Parameters, in Santa Clara County, California**

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**Abstract:** Many communities worldwide are facing water shortages and droughts thus making water conservation an emergent need. Greywater reuse is a method to conserve water. After the longest recent drought cycle in California (2011–2017), the Valley Water prioritized the development of unconventional water sources in its master plan. It invested in infrastructure and human resources to promote greywater reuse, expanded recycled water use, and researched options for potable reuse. This study suggests these systems can provide an additional tool for diversifying regional water supply portfolio.