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Impact of California's Urban Water Conservation on Electricity Consumption and Greenhouse Gas Emissions

Frank Loge
Dept. of Civil and Environmental Engineering
Center for Water-Energy Efficiency
University of California, Davis

ICWA Water Loss Specialist Group | December 20, 2022

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California Hydrological Zones' Energy Intensity

Source: CWEE, 2016

Source: Wilkinson, 2007

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24.5% Savings

Total Water Savings: 524,000 MG

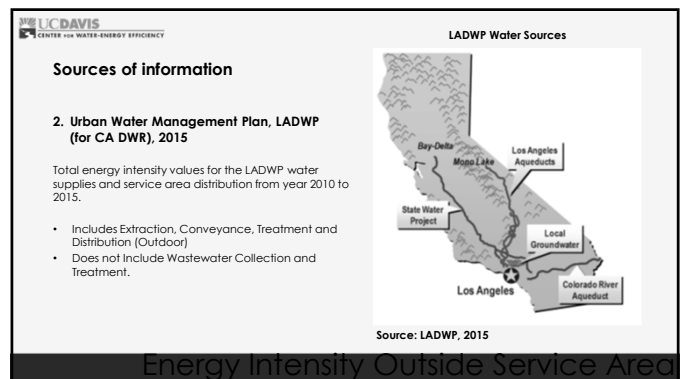
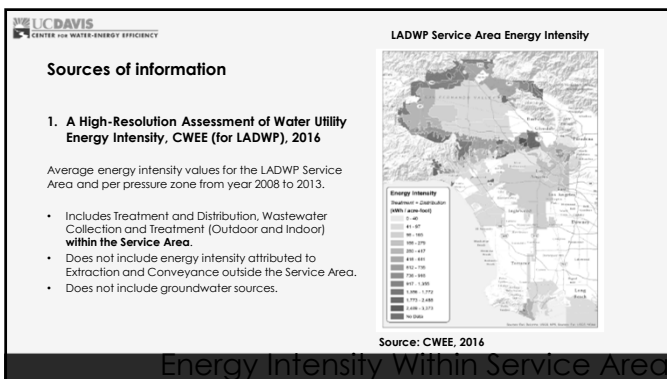
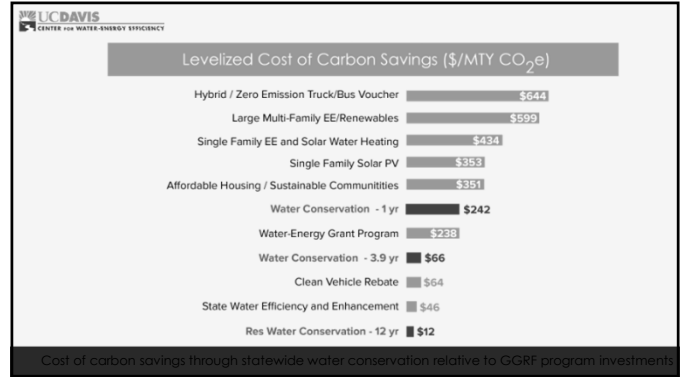
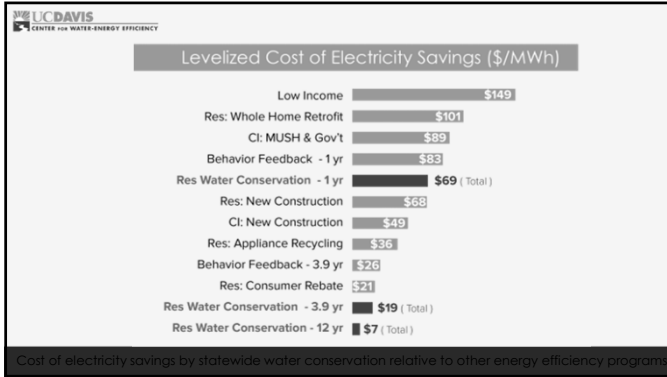
Statewide monthly water deliveries relative to 2013 baseline values

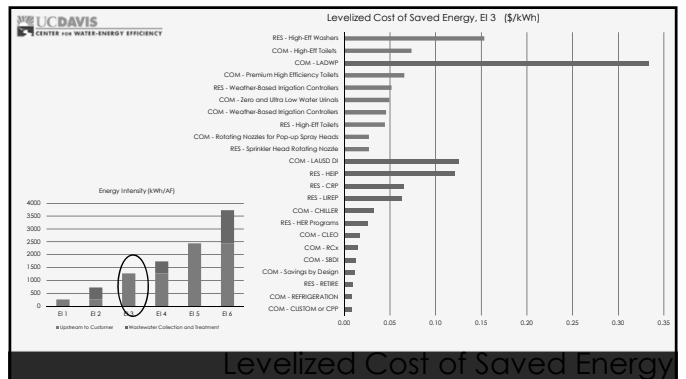
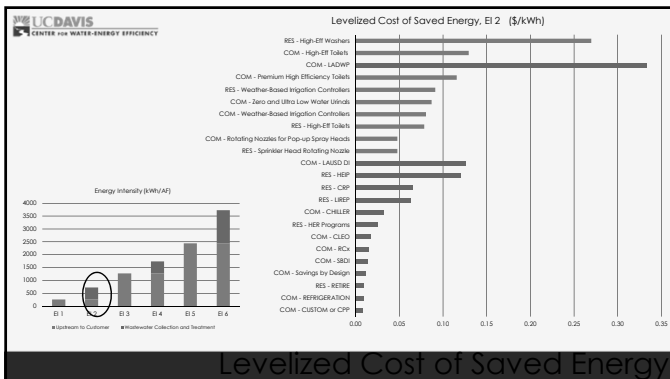
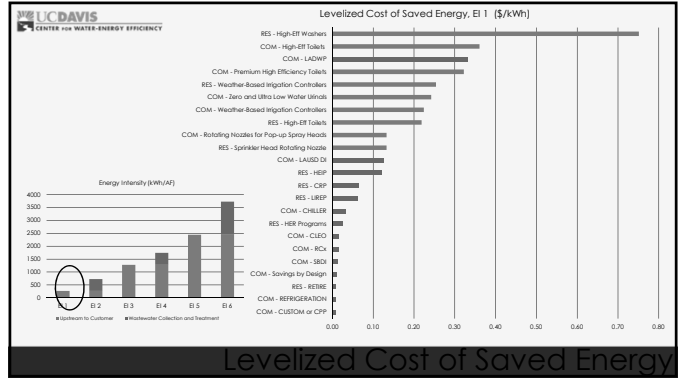
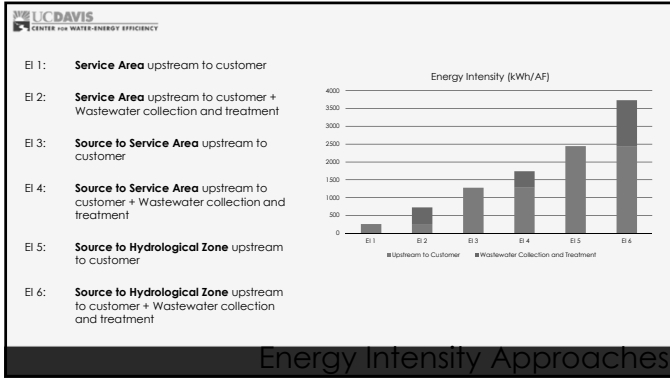
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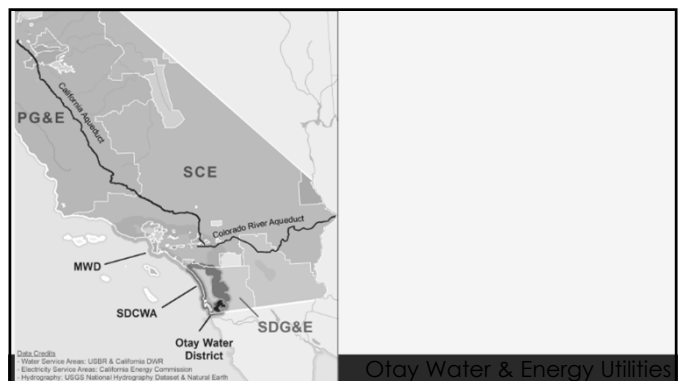
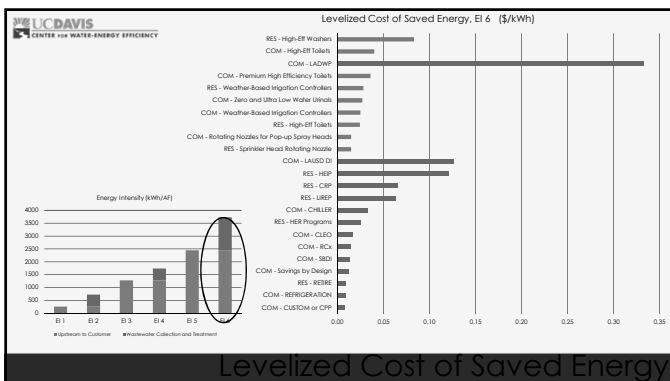
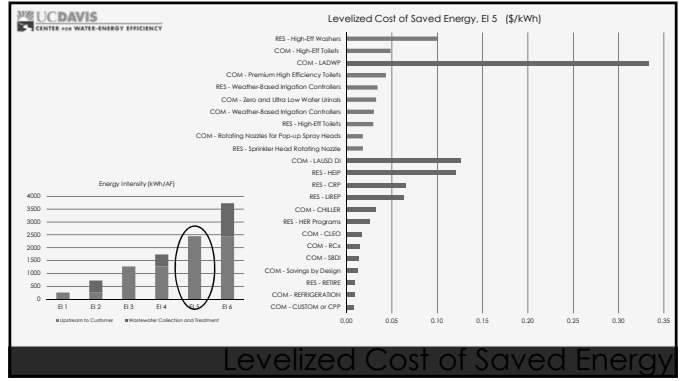
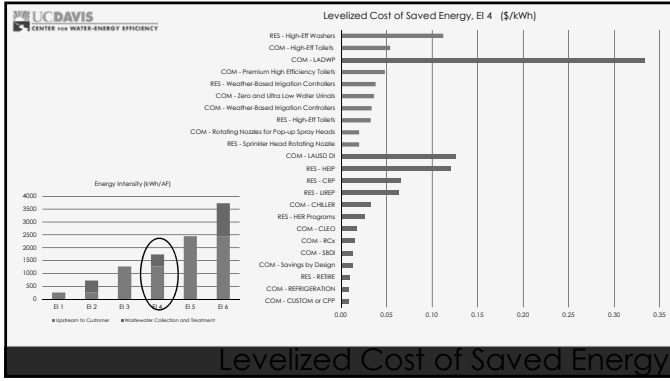
Total Electricity Savings: 1,830,000 MWh

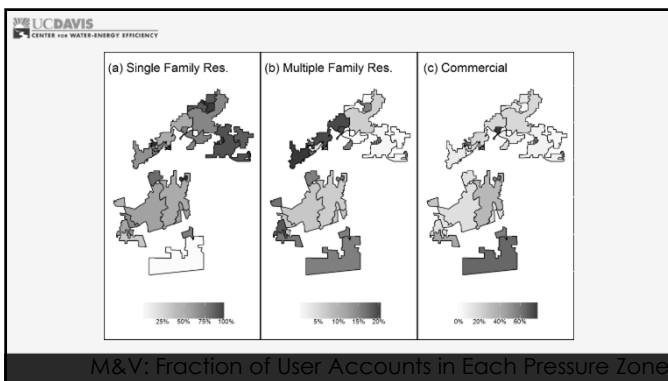
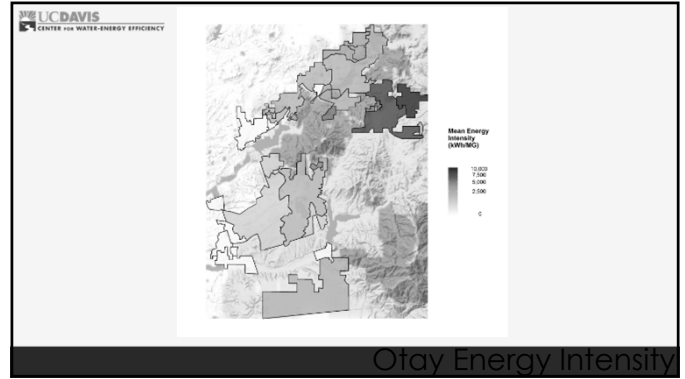
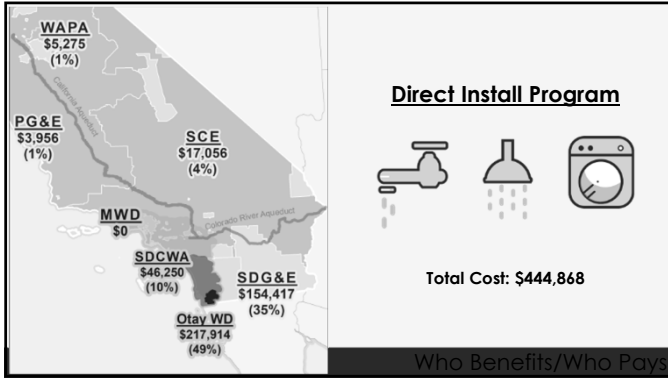
Total GHG Savings: 521,000 MT CO₂e

Estimated electricity savings from statewide water conservation (June 2015 – May 2016) vs. total electricity savings from IOU EE program savings (July 2015 – June 2016)









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Contact info:
Frank Loge
(530) 754-2297
fjloge@ucdavis.edu

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Thank you