

Recycled Water “Hold the Salt”

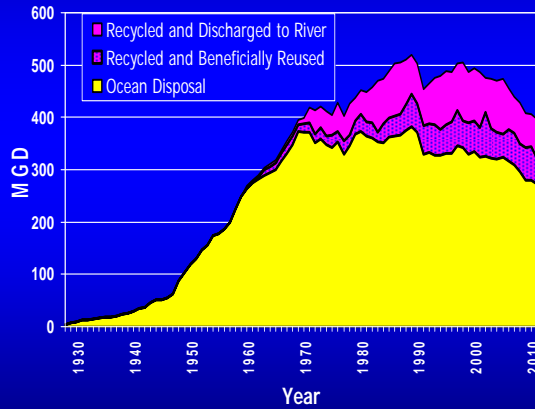
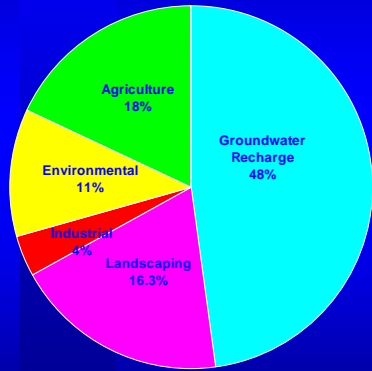
Vicki Conway
Departmental Engineer
Wastewater Management Department

Salinity Management Study Workshop, June 1, 2012

Wastewater Treatment Facilities Map



LACSD Recycled Water Facts



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Benefits of Recycled Water Use

- Augment existing water supplies
- Drought proof water supplies
- Consistent with sustainable management practices



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Salinity Concerns

- Permit Compliance Issues (NPDES, WDR, WRR)
- Can be harmful to beneficial uses
 - Irrigated crops
 - Irrigated landscape
- May pose a threat to receiving water quality



Salinity Management Options

- Process Optimization
- Source Control
- Diversion of poor quality wastewater
- Additional Treatment

Home | [Water Softener Banned in Your Area?](#)

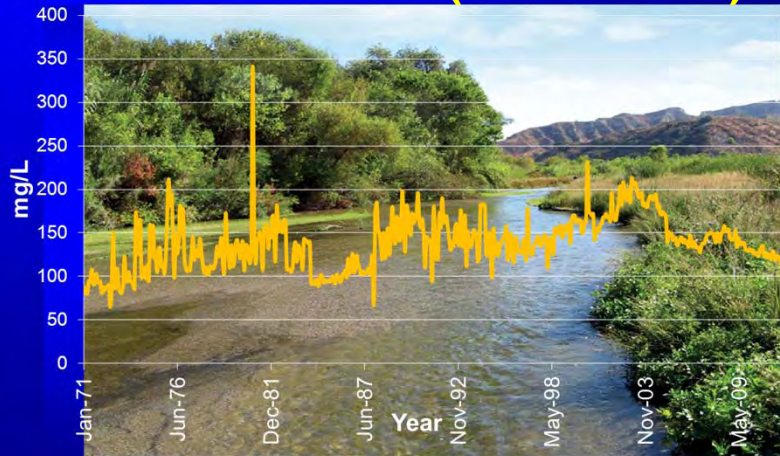


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Your Solution for Salt-Free Water Softening

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* 24 hour dependable Culligan service and refill hotline

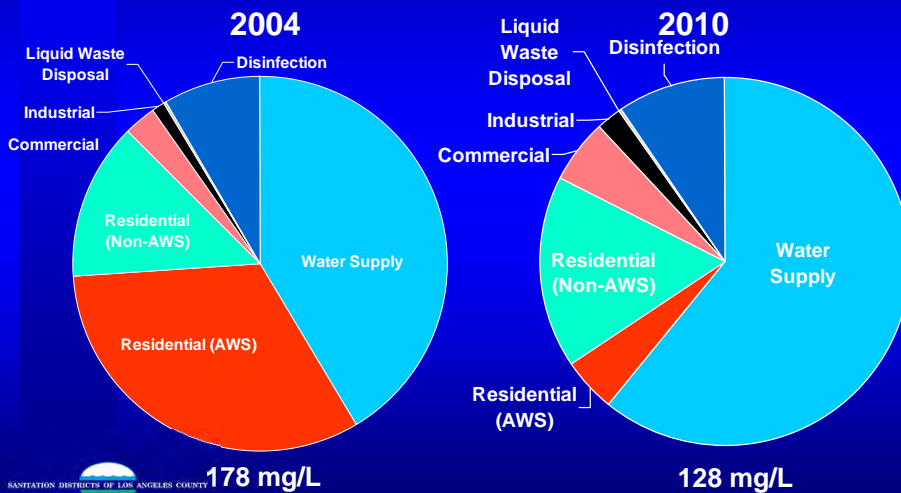
Valencia WRP Effluent Chloride Concentrations (1971 – 2012)



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Water Softener Ban Success

Percent Chloride Contribution Reduced from 33% to 5%



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CA SWRCB Recycled Water Policy

- Provides direction to RWQCB and project proponents
- Establishes criteria to provide consistency in permitted projects and to streamline permit process
- Directs the development of Salt and Nutrient Management Plans (SNMP) on a regional/watershed basis

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Salt and Nutrient Management Plans



- Every basin/sub-basin shall have a consistent salt and nutrient management plan (hereinafter, SNMP);
- SNMPS shall be tailored to address the water quality concerns in each basin;
- Shall be developed or funded pursuant to the provisions of Water Code sections 10750 *et seq.* or other appropriate authority;
- SNMPS shall be completed and proposed to the Regional Water Board within five years from the adoption date of the Policy;
- SNMPS are not required in areas where a Regional Water Board has approved a functionally equivalent salt and nutrient plan; and
- SNMPS may address constituents other than salt and nutrients that adversely affect groundwater quality.

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Challenges Ahead with SNMPs



- Motivate stakeholders
- Equitable sharing of costs and salt loads
- Address discrepancies with existing Water Quality Objectives