



Water Conservation

Easing Permitting Restrictions and Greywater Rebates



Water Conservation

Town of Windsor

Incorporated:	1992
Population:	26,000
Water Connections:	9,000
Water Supply:	Ground Water/ Russian River underflow
Water Use by Sector:	+70% Residential





Water Conservation

Progressive History of Water Conservation & Recycled Water Use

- Early mandate for use of ULFTs (1986)
- CUWCC signatory
- Tertiary treated recycled water used for urban irrigation & lavatory toilet flushing (270-350 MG/yr)





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20x2020 (SBx7-7)

New programs needed to help meet legislated targets for per capita water reductions by 2020

Town's 2010 UWMP Demand Analysis includes study of greywater as part of water conservation program portfolio for demand management measures



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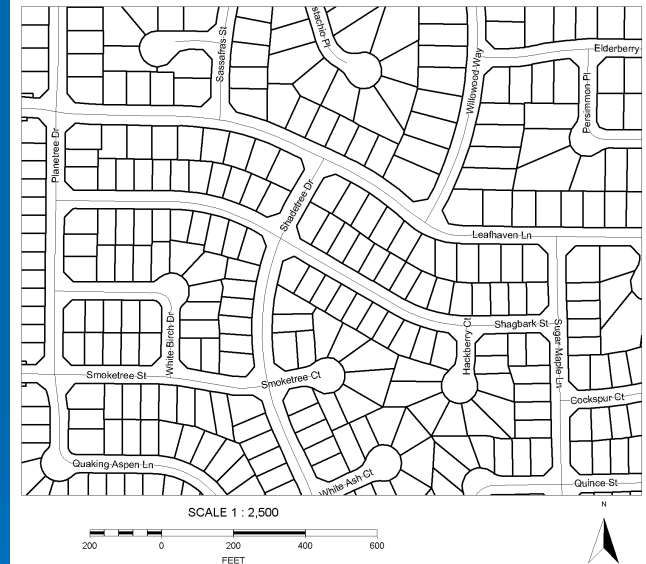
Why Greywater?

- High % of Residential Water Use
- High Summertime Irrigation Demand

Programs to reduce irrigation water demand:

- Education / Awareness
- Tiered rates
- Irrigation system efficiency incentives
- Incentives to transform lawn to xeriscape
- **Greywater**

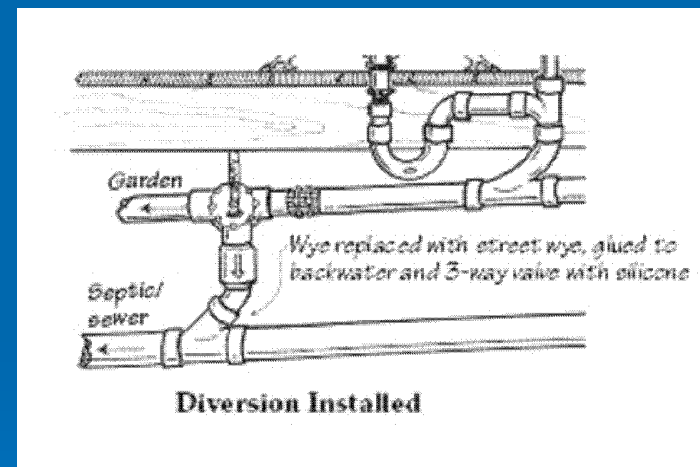
Residential Water Demand +70% of Total



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Greywater Programs for Water Conservation

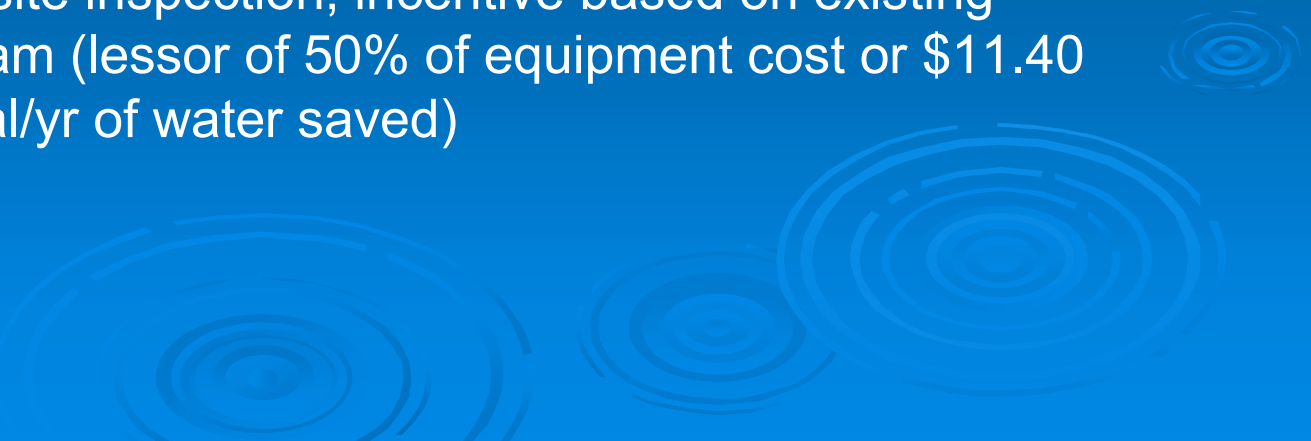
- Incentives to install greywater systems in existing homes
- New development requirement to include collection plumbing & greywater stub outs (amendment to Town's mandatory Green Building code)





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Greywater Incentives for Existing Homes

- For laundry systems = fixed \$ amount or % of cost
 - For simple systems = over-the-counter permit to provide standards, site inspection, plus above incentive
 - For complex systems = over-the-counter permit to provide standards, site inspection, incentive based on existing WET program (lessor of 50% of equipment cost or \$11.40 per 1000 gal/yr of water saved)
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Potential Barriers to Success

- Complacency
 - Hard to generate participation
 - Post system installation let down
- Overcoming public misconception of greywater as health & safety issue (overcoming the icky factor)
- Small residential lot sizes, heavy clay soils
- Reduced budgets / staff





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Increasing Greywater Use

Partnerships for Public Engagement

- Government / community action groups / installers

Greater governmental advocacy

- Political Will
- Information clearinghouse
- Workshops
- Enhanced customer service





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Thanks!

