Los Osos Wastewater Project
Phase 3 Lateral Connections
and Septic System Reuse

SOUTH BAY COMMUNITY CENTER
AUGUST 29, 2016

Mission Statement: Public Works will be a valued community partner enhancing quality of life for our fellow county residents
Lateral Connection Phase 3 Workshop

- Have your questions answered by County Staff and others
- Presentation
- Q&A at tables
PUBLIC WORKS DEPARTMENT
County of San Luis Obispo

Phase 1:
Mar 28 – Sept 24

Phase 2:
June 20 – Dec 17

Phase 3:
Sept 19 – Mar 18
Lateral Connection Details

- Obtain quotes and hire contractor
- Contractor obtains permits per Building Code
Lateral Connection Details

- Install new pipe from house to property line
- New pipe inspected before connection
- Connect to sewer
Lateral Connection Details

- Decommission septic system
- Pump out septic tank
  - Abandon in-place or
  - Convert for reuse
Septic System Abandonment

- Pump tank and fill with sand or slurry
Septic System Reuse

- Convert for reuse by sanitizing with bleach
Use That Tank!

Contents:

**WHY?**
A Brief History of Los Osos’ Water 1-2

**WHAT?**
Options For Reusing Your Septic System 3

**HOW?**
Ways to Design & Implement Your System 10

**WHEN?**
Timing & Sequence for the Reuse Process 13

**HOW MUCH?**
Analyzing the Economics of Your Options 15

**WHO?**
Information & Consultation Resources back cover

Beneficial Reuse of Your Septic Tank and Disposal Field
For the Community of Los Osos, California
Stormwater Infiltrator

DRAIN INLET WITH FILTER
Rainwater Cistern

- Drain inlet with filter
- Risers
- Pump
- To landscape irrigation
Drain inlet at the downspout
Inlet filter for water storage
Risers & lids for pump access
Submersible pump (portable)
PUBLIC WORKS DEPARTMENT
County of San Luis Obispo

20 rain barrels
Rainwater use for toilet flushing
- Treated graywater
- Other combinations
## Project Cost Estimates

### Cost Category (typical single family home)

<table>
<thead>
<tr>
<th>Cost Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment Charges ($24,949 per home)</td>
<td>$1,100/year</td>
</tr>
<tr>
<td>Service Charges – flat fee</td>
<td>$450/year</td>
</tr>
<tr>
<td>Service Charges – usage fee (1¢ per gallon)</td>
<td>$450/year</td>
</tr>
<tr>
<td><strong>Total Charges</strong></td>
<td><strong>$2,000/year</strong></td>
</tr>
<tr>
<td>Lateral Connections</td>
<td>Typically ± $3,000</td>
</tr>
</tbody>
</table>
Financial Assistance

- USDA 504 Program (Grant)
- Lateral Connection Funding (Grant)
- Service Charges Assistance Program (20% Discount)
- Property Tax Postponement Program (Loan)
- PACE Program (Loan)
### Water Conservation Program

#### Required Retrofits

<table>
<thead>
<tr>
<th>Fixture Unit</th>
<th>Maximum Flow</th>
<th>Rebate Amounts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toilets</td>
<td>1.6 gpf</td>
<td>$250</td>
</tr>
<tr>
<td>Showerheads</td>
<td>2.0 gpf</td>
<td>$40</td>
</tr>
<tr>
<td>Faucet Aerators – Residential</td>
<td>1.5 gpm</td>
<td>$5</td>
</tr>
<tr>
<td>Faucet Aerators – Commercial</td>
<td>0.5 gpm</td>
<td>$5</td>
</tr>
<tr>
<td>Urinals - Commercial</td>
<td>0.5 gpf</td>
<td>$500</td>
</tr>
</tbody>
</table>
## Water Conservation Program
### Optional Retrofits

<table>
<thead>
<tr>
<th>Fixture Unit</th>
<th>Eligible Items</th>
<th>Rebate Amounts</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.6 gpf toilets</td>
<td>1.0 gpf</td>
<td>$250</td>
</tr>
<tr>
<td>Clothes Washers – residential or commercial</td>
<td>Tier 3 Water Factor 4</td>
<td>$150 plus up to $50 PG&amp;E and $75 Gas Co.</td>
</tr>
<tr>
<td>Extra Alternative Measures</td>
<td>Needs prior approval</td>
<td>$300</td>
</tr>
<tr>
<td>Lawn turf removal</td>
<td>Existing lawns</td>
<td>$2/square foot</td>
</tr>
</tbody>
</table>

For more information, visit: [Saveourwater.com](https://Saveourwater.com)
Questions and Assistance

- Your contractor
- Weekly office hours
- Financial assistance options
- Water Conservation Rebates
- Website, call, or email County staff
Questions?