Reduce the distribution system leakage (DSL) to below 10% by 2010.

In 2009, 2,704 million gallons (MG) of water were withdrawn from all water supply sources, while metered consumption was 2,296 MG. This difference reflects a 20% distribution system loss (DSL). This is an improvement over 2008’s 21% DSL, but still below the City’s goal of 15%.

The City’s distribution loss includes:

- Inaccuracies, data billing errors, tampering of meters and hydrants, and the flushing and cleaning of mains and reservoirs.

The city continues to take necessary steps to reduce all water losses. In 2009:

- Conducted an acoustical leak detection survey and probed leaks on 33 miles of water mains and repaired 15 water mains.
- Investigated 236 possible leak reports and repaired 1,093 meters and leaks.
- Systematically replaced old, rust and leaking water pipes to maintain water quality and provide adequate flow for fire protection.
- Continued evaluating the implementation of an automatic meter reading (AMR) system. Such a system would allow for quick detection and customer notification of leaks on the customer side of the city’s water mains.

In 2009, the city’s water supply sources produced a total peak day water demand of 14.8 million gallons – below the 15.5 million goal maximum.

3. Continue reduction of the average annual water use per customer connection by one-half (0.5%) percent per year.

The average per connection residential customer use increased in 2009 compared to 2008 usage by 1.5%. Although this is a disappointment, the summer of 2009 was unusually hot, with rainfall in July and only 40% of the total rainfall in June and July. When per customer consumption is based on cooling degree days (CDD), there was a 4% reduction; based on growing degree days (GDD), per customer consumption was reduced by 2.5% from 2008 to 2009.

4. Invest in water quality, supply, and system improvements: Financial resources to 122 incidental water wells that purchased water from clothes washers. This represents 2.64 million gallons of water saved. Kitchen faucet aerators were also provided to customers on a first come, first served basis. An annual water savings of approximately 3.1 million gallons was realized from the installation of 400,000 gpm aerators.

Savewater by using a WaterSense labeled product. WaterSense labeled products:

- Carry the WaterSense label.
- Perform as well as or better than less efficient counterparts.
- Be about 20 percent more water-efficient than average products in that category.

The average kitchen faucet aerator uses 1.5 gpm – a significant improvement over the usual 2.2 gpm. Savewater by using a WaterSense labeled product. Plumbing fixtures that use standard 1.5 gpm aerators use 3.0 gpm – the amount of water flowing through faucets to fill a toilet, which, over time, means a lot of wasted water. Savewater by using a WaterSense labeled product. Central to the above is the fact that most WaterSense labeled products:

- Provide measurable water savings.
- Afford water efficiency enhancements through innovation.

5. Continue accurate billing. The City of Renton continues to strive to provide accurate billing to its customers. The Billing Department continues to conduct an acoustical leak detection survey to pinpoint leaks on 33 miles of water mains and repaired 15 water mains.

- Accurately reported leak reports and repaired 1,093 meters and leaks.
- Systematically replaced old, rust and leaking water pipes to maintain water quality and provide adequate flow for fire protection.
- Continued evaluating the implementation of an automatic meter reading (AMR) system. Such a system would allow for quick detection and customer notification of leaks on the customer side of the city’s water mains.

If you have a water leak in the street or at a meter, contact the City of Renton at 425-430-7500 after hours or weekends. To report water pressure problems, call Water Quality at 425-430-7400 (7:00 a.m. to 3:30 p.m.) or call 425-430-7500 after hours or weekends. To report water pressure problems, call Water Quality at 425-430-7400 (7:00 a.m. to 3:30 p.m.) or call 425-430-7500 after hours or weekends.
DOWNTOWN WELLS, SPRINGFIELD SPRINGS, AND MAPPLEWOOD WELLS
SAMPLED AT THE SOURCE AFTER TREATMENT

<table>
<thead>
<tr>
<th>Detected Substance</th>
<th>Year</th>
<th>MCL</th>
<th>MCLG</th>
<th>Range</th>
<th>Possible Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorine</td>
<td>2009</td>
<td>4 ppm</td>
<td>4 ppm (MCLG)</td>
<td>0.8 ppm</td>
<td>Additive to control microbes</td>
</tr>
<tr>
<td>Nitrate</td>
<td>2009</td>
<td>10 ppm</td>
<td>0.3 - 2.3 ppm</td>
<td>Fertilizer runoff; Leaching from septic tanks; Erosion of natural deposits</td>
<td></td>
</tr>
</tbody>
</table>

SAMPLLED AT THE SOURCE BEFORE TREATMENT

<table>
<thead>
<tr>
<th>Detected Substance</th>
<th>Year</th>
<th>MCL</th>
<th>MCLG</th>
<th>Range</th>
<th>Possible Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radon (see note 3)</td>
<td>2003</td>
<td>Not established</td>
<td>165-350 pCi/L</td>
<td>Decay of natural deposits</td>
<td></td>
</tr>
</tbody>
</table>

Notes:
- **About This Report**
  - This report is written and distributed in compliance with the Federal Safe Drinking Water Act, which requires water utilities to provide annual “consumer confidence” reports to their customers. You will find this report in your water bill, on the city website or in community newsletters. It contains how your drinking water is treated to protect your water supply. We hope this report will help you better understand your drinking water.

- **From the EPA**
  - **Health Information**
    - Our drinking water comes from wells and springs. As our water travels through the ground to the wells, it can dissolve naturally occurring minerals as well as substances from human activity. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protec

- **Special Information Available**
  - Some people may be more vulnerable to contaminants in water than others. This may be due to age, medical conditions, or compromised immune systems. EPA regulations governing contaminants that are mostly linked to only a few people such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from contaminants. EPA’s regulations governing contaminants are available on the Safe Drinking Water Information Hotline or at the Safe Drinking Water Information Hotline or at the Safe Drinking Water Information Hotline or at the Safe Drinking Water Information Hotline or at the Safe Drinking Water Information Hotline.

- **Definitions**
  - MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. If a contaminant is present in drinking water above the MCL, it is likely to pose a health risk. MCLs are enforceable standards and are used to protect the public health.
  - MCLG (Maximum Contaminant Goal): The level of a contaminant in water below which there is no known or expected risk to health. MCLGs are federal health goals, and no enforcement is required under the Safe Drinking Water Act.

- **About Radon**
  - Radon is a colorless, odorless, radioactive gas that can occur naturally in water. Radon is a health concern primarily in indoor environments, such as basements and homes. Radon is not controlled by the water utility. More information about radon can be obtained by calling the Radon Information Center at 1-800-SOS-RADON or by visiting the EPA’s Radon Information Center at radon.epa.gov.

- **SAMPING POINTS IN THE WATER DISTRIBUTION SYSTEM**

- **SAMPLING TIMES**

- **Rebates!**
  - Save up to $57,000 on new water systems. Rebate amounts vary by the purchase of qualified high efficiency water systems. For a limited time, Call 1-800-350-3040, fill the rebate form provided and mail it in or fax it to the rebate hotline. Water systems and manufacturers are offering incentives as well. For more information, please visit the website: www.save-wateruseitwisely.com.