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“Before the program, the site’s water bills were out of control and adversely affecting the financial health of the community,” said Matt McKinney, Property Manager for Harding Place. “Making the investment in water saving fixtures put us back on track. A local firm, Water Management, Inc., (WMI) performed the work to replace ALL of the toilets, update the flow controls on faucets, install high efficiency showerheads and repair any other leaking fixtures.”

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“Prior to implementing the retrofit project at Harding Place, we installed several test samples for evaluation to ensure the new 1.28 gpf FLUSHMATE III system would perform properly in the existing toilet china,” added Maurer. “This procedure, coupled with FLUSHMATE’s extensive lab testing, assured us we would be successful with the program.”

FLUSHMATE’s state-of-the-art testing laboratory in Michigan is used for research and development, which enables FLUSHMATE to maintain its edge among pressure-assist manufacturers. The laboratory includes a hydraulic test video recording system; flow meters that display pressure, flow rate and consumption; and a data system that monitors flow meter information. Quality testing is performed to assure proper function and water efficiency of all FLUSHMATE products.

While FLUSHMATE products are constantly being reviewed and updated, the manufacturer will continue to provide current customers with all the product support they need for existing vessels, even if production is discontinued on a specific model. In addition, all FLUSHMATE parts are made in the U.S., and customers can call the FLUSHMATE technical support service line at 1-800-533-3450 for assistance.

Since the change-out at Harding Place, there have been others in public housing projects, hotels and apartments. All have been equally successful at reducing water usage and avoiding the need to replace toilets.

Running the Numbers

For about 10 years, Harding Place used 1.6 gpf toilets and higher flow aerators and showerheads. In 2009, Harding installed new 1.28 gpf FLUSHMATE vessels inside its toilets, improved faucet flow controls and more efficient showerheads. Based on current residential consumption levels, consumption is down 30% from the previous year.

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Water Management, Inc. (WMI) has been a leading water efficiency company in the US since 1980. Offering expertise in water conservation, the company creates innovative efficiency programs for Multi-Unit Residential properties, Public Housing Authorities, Industrial, Commercial and Institutional properties, and Utility Companies. With offices in Alexandria, VA, and Nashville, TN, the company’s goal is to help clients nationwide save water, the planet’s most precious resource.

Average Daily Consumption per unit 1 year PRIOR to 1.28 work
165 gallons per unit per day

Average Daily Consumption per unit 1 year AFTER 1.28 work
115 gallons per unit per day

30% Savings

EXTRACTION PERFORMANCE

<table>
<thead>
<tr>
<th>WATER CLOSET TYPE</th>
<th>FLUSHMATE Pressure-Assist Toilet</th>
<th>ASME minimum requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100%</td>
<td>75%</td>
</tr>
</tbody>
</table>

Based on ASME Standard A112.19.6 Hydraulic Performance Requirement