



119 E. Olin Avenue  
Madison, Wisconsin 53713  
Telephone: 608 266-4651

**Board Action:**            **Resolve to establish the project:**  
**Arbor Hills Supplemental Fire Flow**  
**Supply**

**Legistar No.** \_\_\_\_\_

**Date:**            November 20, 2008  
**To:**              Madison Water Utility Board  
**From:**          Tom Heikkinen, Water Utility Manager

**1. Recommendations**

- 1.1. It is recommended that the Madison Water Utility Board establish a project to address identified water supply reliability and fire flow capacity deficiencies identified in the Utility's 2006 Water Master Plan in the Arbor Hills neighborhood.
- 1.2. Per the public participation standard procedure SOP ENG-001 adopted by the Common Council, it is further recommended that this resolution be referred to the Board's January 2009 regularly scheduled meeting. This will allow time to solicit public comment on establishing this project.

**2. Description**

- 2.1. A deficiency in fire fighting capability and supply redundancy within the Arbor Hills neighborhood was identified in the 2006 Water Master Plan. Additional detail on this analysis can be found in the Master Plan document.
- 2.2. The proposed capital project will provide additional water supply reliability and improved fire flow capacity to correct the noted deficiencies in the Arbor Hills neighborhood.
- 2.3. A full description of the need for and objectives of the project are included in the Scoping document titled "Arbor Hills Supplemental Fire Flow Supply" found on the Utility web site [www.madisonwater.org](http://www.madisonwater.org).

**3. Discussion**

- 3.1. Improvements are necessary in the Arbor Hills neighborhood to meet minimum service standards for water system reliability and fire flow capacity. The Arbor Hills neighborhood is fed by a single 8-inch pipeline that makes the area vulnerable to water outages and also limits fire flow capacity.
- 3.2. Utility Staff have met with Alder Tim Bruer and discussed the scope and need for the project. Alder Bruer has indicated he will work with neighborhood leaders on this project.