

**CITY OF WEST LINN  
PLANNING COMMISSION PUBLIC HEARING  
SCHEDULED HEARING DATE: OCTOBER 15, 2008**

**FILE NO.:            PLN-08-05**

**PROJECT NAME:        CITY OF WEST LINN WATER MASTER PLAN**

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EXHIBITS

**WATER SYSTEM MAP (11" X 17")**

ATTACHMENT (Separate binder)

**WATER SYSTEM MASTER PLAN**

**City of West Linn  
PLANNING & BUILDING DEPT.  
STAFF REPORT**

TO: West Linn Planning Commission (October 15, 2008 meeting)  
FROM: West Linn Planning Staff (Chris Kerr, Senior Planner)   
DATE: October 1, 2008  
FILE NO.: PLN-08-05  
SUBJECT: Water Master Plan

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Planning Director's Initials 

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### **EXECUTIVE SUMMARY**

The attached Water Master Plan is proposed for approval as a 'supporting plan' to the City of West Linn's Comprehensive Plan. The City's Engineering Department utilized the firm of Murray, Smith & Associates, Inc. to prepare the proposed Water Master Plan. The Plan provided the following purposes:

1. Provide an assessment of the City's water distribution system,
2. Identify current system deficiencies,
3. Determine future water supply requirements,
4. Recommend improvements to correct existing system deficiencies; and
5. Provide for future system needs.

### **STAFF RECOMMENDATION**

This Water System Master Plan meets all State requirements for Public Water Systems, is consistent with the City's Comprehensive Plan, and meets all requirements for adoption of Supporting Plans per Section 100 of the Community Development Code (CDC). Staff recommends that the Planning Commission recommend approval of the Water System Master Plan as proposed.

**PUBLIC NOTICE:** Public notice of the Planning Commission public hearing on the Water Master Plan was printed in the West Linn Tidings on October 2, 2008. On September 24, 2008 the consultant held an Open House for the public at the City Library. Draft versions of the Master Plan have also been available for review and comment on the main page of the City's website soliciting public input. Notification of the Plan was also included in the City's newsletters that are distributed in customer water bills. All legal notice requirements have been satisfied.

**120-DAY RULE:** Not applicable to this item.

## **BACKGROUND**

The City's existing Water Master Plan was completed in 1999 and was last updated by staff in 2004. The City's Water Master Plan is a 'supporting plan' to the City's Comprehensive Plan, and as such it will serve as a critical tool for informing future policy decisions, particularly related to the budget. The Plan provides an assessment of the existing water system and specifies the required improvements necessary to meet the all required levels of service.

The proposed plan differs from the previous plan in two key ways. The fire flow criterion of the State was increased in 2007 from 1,000 gallons per minute (gpm) to 1,500 gpm. This criterion change has included several pipes in the distribution network for upsizing which were not identified in the previous plan. Additionally, and of a policy nature, the method of evaluating the City's water system was changed. In the previous plan the system was evaluated on examination of three types of storage: emergency, fire, and equalization. This approach focused attention on reservoir capacity and did not really even acknowledge other components of the system. The new methodology, as recommended by the consultant and supported by the Staff, analyzes the system and acknowledges the benefits of zonal interconnects, backup power at pumping stations, the intertie with Lake Oswego, etc. The whole system approach recognizes and give credit to improvements and redundancies the City has invested in its water system.

This whole system approach results in an overall reduced cost to maintain adequate levels of service. It has enabled the City to demonstrate that with attention to a few strategically identified improvements, the City can continue to serve both our existing customers with their domestic and emergency water needs at professionally specified standards and adequately address the needs of anticipated future buildout growth within the currently defined Urban Growth Boundary surrounding this community.