

**RESOLUTION NO. 1179**

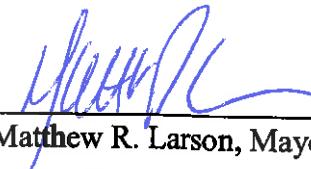
**A RESOLUTION OF THE CITY OF SNOQUALMIE, WASHINGTON,  
ADOPTING THE 2012 CITY OF SNOQUALMIE WATER SYSTEM PLAN**

WHEREAS, the City of Snoqualmie previously authorized Gray & Osborne, Inc., to prepare an update of the City's water system plan in conformance with current regulations and guidelines, which update was completed in July 2012, and submitted to the Department of Commerce on October 11, 2012, without comment within the 60 day comment period, and

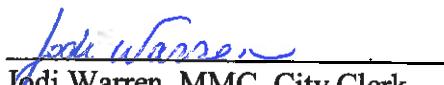
WHEREAS, it would promote the public health, safety and welfare to approve and adopt the Water System Plan, now, therefore, be it

RESOLVED that the Water System Plan, July 2012, prepared by Gray & Osborne, Inc., is hereby approved and adopted, provided this approval shall be subject to approval by the Washington State Department of Health.

PASSED by the City Council of the City of Snoqualmie, Washington, this 14<sup>th</sup> day of January, 2013.

  
Matthew R. Larson, Mayor

Attest:

  
Jodi Warren, MMC, City Clerk

Approved as to form:

  
Patrick B. Anderson, City Attorney

## EXECUTIVE SUMMARY

The City of Snoqualmie Water System Plan provides a planning strategy for the City's water utility over 6- and 20-year periods. The plan has been prepared consistent with Department of Health requirements as specified in the Washington Administrative Code (WAC) Chapter 246-290. The plan represents a commitment by the City to pursue and implement the Plan's recommendations and capital improvements.

Chapters 1 and 2 of this Plan provide background data, including a description of existing facilities, service area, service area policies, and projections of population and water use. Chapter 3 presents a description of system design and water quality standards, and an analysis of water quality. This chapter also presents a source and storage analysis. Chapter 4 is a distribution system analysis which includes hydraulic modeling summary and the basis for identification of distribution system improvements. Chapter 5 is a water use efficiency program which details conservation and efficient water use goals and measures. Chapter 6 discusses and augments the City's Source Protection Plans. Chapter 7 discusses the system operation and maintenance procedures. Chapter 8 presents the recommended capital improvements and Chapter 9 presents financing for the recommended improvements. The nine chapters of this report are followed by appendices which contain backup documentation.

The City utilizes groundwater and springs for its supply of water. The groundwater sources include five active wells grouped into two Wellfields. The wells within the North Wellfield are labeled Wells No. 6, 7, and 8. The North Wellfield is located within the 705 Zone and treated on-site for arsenic, iron, and manganese through chemical addition and filtration. The wells within the South Wellfield are labeled Wells No. 1-R and 2. The South Wellfield is located within the 599 Zone and is treated on-site for iron and manganese through chemical addition and filtration. Both Wellfields are chlorinated by sodium hypochlorite. Canyon Springs is located several miles outside the City and supplies the 599 Zone. The springs are treated nearby with sodium hypochlorite.

The City's retail service area population is approximately 11,710 people. The water system serves a total of 4,117 connections. The City anticipates a population of approximately 15,860 by 2032. The City will need to develop additional source capacity before this time.

This Water System Plan contains a list of projects for the City's 6-year capital improvement plan for the water system to ensure that capacity and reliability is maintained within the system. These projects include redeveloping an unused source, shifting several customers to new pressure zones, installing backup power at several locations, and replacing water mains throughout the system to provide increased reliability, better water quality, and the increased fire flow capabilities to the system.

The City has maintained healthy fund for the water utility. With planned 3 percent rate increases per year, the City will have adequate funds to complete the recommended 6-year Capital Improvement Program.