

CAPITAL PROJECT NARRATIVE

Program Area:	Source of Supply
Project:	McMicken Heights Well and Treatment Plant
Project Number:	07-2

PURPOSE and DESCRIPTION OF THE PROJECT

The project is for construction of a replacement ground water supply well and a new water treatment plant. The well will be capable of producing approximately 500 gpm of water on a continuous basis with the possible future expansion to 650 gpm upon approval by DOE. The project is proposed for construction on property owned by Highline Water District. The well and treatment plant will meet the requirements of the Safe Drinking Water Act and Washington State DOH regulations governing the delivery of potable water supply to the public. The completed project will include an emergency power generator and all necessary appurtenances (chemical feed systems, filtration equipment, electrical equipment, pipe, valves, etc) to make a complete supply and treatment system. The project location is indicated on the attached map.

This project is in response to the growing demand for water supply in the Puget Sound Region and the strain which is being placed on existing regional water supplies in the area. Highline Water District currently purchases approximately 80% of its water from the City of Seattle regional water system and relies on three existing ground water wells for the remainder of its supply. This project will provide a fourth ground water well to the system and will be operated as a primary source. It is part of Highline's overall water resource management program and a critical element of regional supply strategies designed to reduce dependency on Seattle's regional water system. Highline is one of the few purveyors in the metropolitan Seattle area that is in a position to reduce its demand on the regional system. This is because the District has the existing water rights and a service area large enough to justify development of additional independent sources of supply.

In late 2008, the District commenced with the design of the well pump and treatment plant, which included the final design (plans, specifications and bid documents), permit applications, and environmental documentation. The District will finish the design in early 2010 and will seek WADOH approval, along with building permit approval from the City of SeaTac. The District plans to bid the project in late summer 2010, with construction starting in late fall 2010.