

## Klickitat System Monitored by SCADA

**By Ron Schultz**

*White Salmon Branch Manager*

With many of the Klickitat PUD water systems located in remote areas, Klickitat PUD needed a low-cost solution for obtaining information about system operation.

Historically, when there were problems in a water facility, it may not have been recognized until a customer reported they had low water pressure, or no water at all.

A KPUD water system operator would then be dispatched to the location to troubleshoot and restore the system.

Doug Miller, KPUD's Water-Wastewater Project Manager, recognized the need for a SCADA (Supervisory Control Area Data Acquisition) system, and started researching available technologies.

Once Doug completed the basic research, he asked the KPUD metering department for input. With the two departments working together, a basic SCADA interface was selected and approved for pur-

### *SCADA stands for Supervisory Control Area Data Acquisition.*

chase by the KPUD board.

The first site selected to receive the new SCADA system was the town of Klickitat.

To keep costs down, the entire project was engineered, installed, and tested by the Klickitat PUD metering department. Rex Hicks, Meterman/Substation Wireman, did most of the design, installation and testing.

Typical SCADA systems use phone lines, ethernet or radio, and are connected to a dedicated PC-based server.

The new Klickitat system uses a portion of the cellular phone data spectrum, and is ideal for remote sites where landline infrastructure is not cost effective.

SCADA transmits data whenever there is a problem or a change in

the water system's status, to a remote Web site "intelligent server."

Klickitat PUD personnel can access the Web site from their offices or homes during off hours to monitor the water system's health.

If there is a problem, the SCADA system can also send e-mail or pager/phone notifications to key personnel so they can respond.

Perhaps one of the biggest benefits of SCADA is cost savings.

If additional SCADA systems are installed at other remote water system sites, it will eliminate the need for operators to drive daily to those locations to check the systems' status. Instead, they can check each system's status online.

Klickitat PUD plans to install the next SCADA system in Roosevelt, and will be prioritizing its other five water system locations for future installations.

The goal is to eventually have all seven KPUD water systems online to assist us in continuing to provide quality services to our customers. ■

## Saturday Market Grand Opening a Big Success

There was quite a crowd in front of the Goldendale Chamber of Commerce building on May 13, as people from all around stopped by for the grand opening of the Goldendale Saturday Market.

Earlene Sullivan, volunteer market coordinator, announced at the Chamber Forum luncheon that the market's grand opening was successful, with more than 500 visitors throughout the day.

A core of Goldendale vendors were set up early in the morning and ready to greet the crowd with

their crafts for sale.

"The 15 vendors are really the ones who add the glue to the Saturday Market," says Earlene.

The market is open every Saturday.

For more information, contact the Chamber of Commerce at [www.goldendalechamber.org](http://www.goldendalechamber.org).

Watch for the feature article on the Saturday Market in the July 2006 Ruralite.

### **Attention Bicyclists**

Mark your calendar for June 24

to participate in the Fourth Annual Mount Adams Country Bicycle Tour.

The Trout Lake Business Owners' Association sponsors this great outdoor activity.

If you like bicycling, this is an event you won't want to miss.

The association raised \$1,500 at last year's bicycle tour, which it donated to the after-school activities program at the Trout Lake schools.

To find out more about this event, call (509) 395-2468. ■