

Energy Services

KPUD Completes Fiber Optic Line

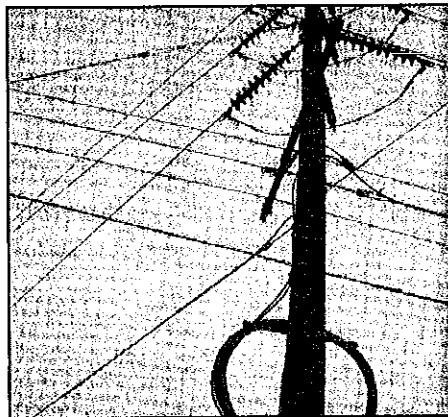
*By Jim Smith
Engineering Manager*

Klickitat PUD recently completed work on a new fiber optic cable from Goldendale to the Bonneville Power Administration's (BPA) Harvalum Substation.

It will serve Calpine's Goldendale Energy Center.

For Calpine to meet the BPA's communications requirements for commercial generation, Calpine needed to install a second communications path to the BPA.

After exploring options, Calpine accepted a proposal from KPUD to design, install and maintain the



communication path and agreed to cover the costs of installation and maintenance.

The fiber is called "dark" fiber, meaning KPUD supplies the cable,

but not the communications light-beam across the cable.

The BPA will connect equipment at both ends and use the cable for monitoring and protecting generating equipment.

The project involved installing 10 miles of fiber cable. To bring the line up to structural requirements needed to carry the fiber, 31 poles were replaced and 35 cross braces were installed.

An electrical conductor was replaced with a new conductor containing the embedded fiber along three miles of the route. This avoided further costly pole replacements. ■

Christmas Float Takes Second Place in Parade



Above, from left, Karissa Ihrig, Elizabeth Babler and Amber Ihrig ride KPUD's second-place float at the Candy Cane Lane Parade December 11 in Goldendale. Right, the second-place trophy.

