

**Water and Environmental Programs  
Engineering Success Stories**

**State:** Oregon

**Borrower Name and Case No.:** Luckiamute Domestic Water Cooperative

**Engineering Firm:** Stettler Co., Inc.

**Rural Development Contact:** Joseph W. Sahlfeld, P.E. (503) 414-3356

**Congressional Information:** Congressional District # 5 Darlene Hooley

**County:** Polk

**Keywords:** Conflict resolution

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## **Water System Improvement**

### **DESCRIPTION OF PROBLEM/ISSUE:**

Some individuals inside the cooperative service area felt they were not being adequately served by the water system and proposed improvements did not address their concerns. These users/potential users were at higher elevations and in some instances were required to provide their own booster pumps for adequate pressure. Other users at similar elevations were provided marginal pressure with system booster pumps. A proposed plan to improve the system did not fully address the needs of all the users and potential users.

### **SOLUTION:**

Rural Development engineers reviewed the proposed alternative for system improvements and requested backup documentation from the Co-op's engineer. This documentation was reviewed and used to determine which areas were not receiving adequate service. Rural Development engineers visited the site and met with the Co-op manager and the project engineer to discuss the problem. Rural Development engineers identified potential alternatives that provide adequate system pressure to users at higher elevations. Agreement was reached on a solution and the project engineer developed the proposal. The Co-op will install a booster pump and a storage tank at a higher elevation. Property owners with sub-dividable land will share in the cost of certain waterline extensions. Waterline looping will be achieved. Better service will be provided to users at higher elevations.

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