



Domestic Conservation Efficiencies

More information available at: <http://www.co.chelan.wa.us/natural-resources/>

PROJECT DESCRIPTION

The Domestic Conservation project focuses on implementing conservation for domestic users within the City of Leavenworth and rural areas of the Icicle subbasin. The City of Leavenworth provides domestic water for citizen, visitors, and commercial uses from Icicle Creek and city wells. Over the past 20 years, the city has reduced water use while increasing the number of connections it serves. To accomplish this water savings, Leavenworth has spent \$3.6 million dollars on capital improvements and implemented several voluntary conservation programs. Combined, these efforts have yielded 56 million gallons in water savings. Other residents of the Icicle Subbasin rely on domestic wells to supply their water.

Future conservation projects identified by the WIG include replacing residential meters, evaluating a conservation oriented rate structure, expand conservation education and xeriscape programs, increase domestic leak detection programs, and rebates for efficient residential fixtures. Additionally, City of Leavenworth is exploring opportunities for reclaimed water and replacing leaky water mains.

The estimated cost of this project is \$2 million.

PROJECT BENEFITS

- Increases water conservation
- Help supply population projections through 2050

GUIDING PRINCIPLES

- Improves domestic supply

POTENTIAL ISSUES/DATA GAPS

- Coordinating conservation with fish screen design

TIMELINE TO IMPLEMENT

2016-2017	Environmental Review
2017	Project Design and Implementation

EXISTING AND ONGOING STUDIES

- City of Leavenworth Water System Plan, 2011, City of Leavenworth
- Icicle Creek Conservation Plan Survey (Draft), 2014, Aspect Consulting, LLC

