

LUMMI ISLAND SCENIC ESTATES COMMUNITY CLUB WATER USE EFFICIENCY GOALS

Customer WUE Goal (Demand Side)

Lummi Island Scenic Estates Community Club (LISECC) will aim to reduce peak summer water usage by 5% within 5 years of 2024, and minimize or maintain current annual usage levels. LISECC will reduce its water usage by utilizing two different measures:

1. LISECC will encourage customers to conserve water with the continued use of a tiered rate structure to target demand for high water usage. The rate structure will target and affect excessive water users both during peak summer usage as well as throughout the year.
2. LISECC will increase efforts to promote water conservation among their customers and reduce overall water demand. LISECC will proactively focus on efforts on educating customers about water conservation during all seasons. This educational information will be provided quarterly as “seasonal tips” that will be distributed as mailed news bulletins, posts to community information boards, and on the website. Education during the summer months will focus on reducing outdoor water usage, and during the winter months will focus on reducing indoor use as well as instructions to turn the water off when leaving the house for an extended period.

Distribution System Leakage

LISECC is effectively working to reduce Distribution System Leakage (DSL). LISECC established a supply side goal to reduce the current 3-year average DSL from 42% to 20% by 2029. We expect to achieve 20% or less DSL by 2029.

Finding Apparent Losses

The first step is to find out more about our apparent losses by obtaining more accurate data. To do this, we aim to implement a system to account for the un-metered authorized water consumption such as standpipe flushing, chlorine residual monitoring and backwash cycles. LISECC plans to convert three (3) un-metered water sampling stations to metered stations in 2024.

Finding Real Losses

A high priority of LISECC is to identify sources of water loss within the distribution system. LISECC will perform a systematic leak detection survey in 2024 to collect leakage data of the entire distribution system. LISECC will perform distribution repairs based on multiple factors including; estimated losses, age and condition of materials, and in coordination with other planned projects. LISECC monitors distribution flow daily

to identify distribution usage and or leakage and records this data weekly. LISECC staff calculates distribution leakage twice per month as well as annually. Staff will respond quickly and efficiently to all known distribution leaks and provide sufficient repairs within 48 hours. Staff will respond to any emergency leakage event within 24 hours and provide sufficient repairs as soon as possible. All data collected during leakage surveying and when repairs have been made will be documented and archived.