The Icicle Strategy has identified several projects to improve instream flows, domestic water supply, and agricultural water reliability. Benefits of conservation include:

- Irrigation conservation to benefit instream flow and fish and provide improved infrastructure.
- Domestic conservation will benefit domestic supply.
- Water markets will benefit agricultural reliability.
- Instream flow rule amendment will benefit domestic supply.

The Icicle Strategy will fund domestic conservation for the City of Leavenworth and rural Chelan County residents. These conservation measures will include metering and pipe replacement, and would help supply population projections through 2050.

- Save up to 400 acre-feet
- $2 million total cost estimate
- $2,500/acre-foot

The Icicle Peshastin Irrigation District (IPID) Water Conservation

Under this project, IPID would identify conservation opportunities and update its management plan. Conservation opportunities may include canal lining, reregulation of reservoirs, and on-farm efficiency upgrades.

- Up to 10 cfs and 3,000 acre-feet instream flow benefit
- $7.5 million total cost estimate
- $2,500/acre-foot

Icicle Peshastin Irrigation District (IPID) Water Conservation

Future Conservation Projects

- Leak Detection
- Icicle Road Reservoir Reconstruction
- 9th Street Watermain Replacement
- Commercial Street Watermain Replacement
- Meter Upgrades
- Front/Division - 19th Watermain Replacement
- Source Water Meters
- Customer Leak Detection
- Exploration and Use Efficiency and Conservation Education
- Low-Flow Showerhead Rebates
- Rebates for efficient residential fixtures
- Explore reclaimed water

Domestic Water Conservation

City of Leavenworth Past Domestic Conservation Projects:

- $3.8 million invested over last 10 years

- East Leavenworth Road Watermain Replacement
- Icicle Creek Watermain Crossing Repair
- Rain Sensor Installation on City Property
- Water-Use Efficiency and Conservation Education
- Low-Flow Showerhead Rebates
- Customer Leak Detection
- Exploration and Use Efficiency and Conservation Education
- Revisit for efficient residential fixtures
- Explore reclaimed water

**Future Conservation Projects**

- Metering upgrades
- Explore conservation oriented rate structure
- Replace leaky watermains

**Instream Flow Rule Amendment**

Within the Wenatchee instream flow rule, an Icicle reservation of water was established for future domestic use. The rule allows for an increase from 1.3 cfs to 2.5 cfs if habitat improvements are made in Icicle Creek. The Wenatchee instream flow rule would remain capped at 4.0 cfs total for the basin.

- Up to 400 acre-feet for domestic supply
- $50,000 total cost estimate
- $125/acre-foot

**Water Use and Connections**

- Population Growth Projected at 0.8% to 2.2%

- City of Leavenworth decreased water use by 50% over past 20 years, and increased service to 3,500 more connections