



Lake Chelan Water Reserve

Board of Commissioners
Aug. 7, 2017

Lake Chelan Water Reserve

■ Speakers

- Marcie Clement, Chelan PUD
Water Resources Program Manager
- Dan Haller - Aspect Consulting LLC
PE, CWRE
- Trevor Hutton – Department of Ecology
Water Resources Program Section Manager



Lake Chelan Water Reserve



Why we're here today

Provide an update on discussions between Ecology and the District, resulting in proposed agreements on the following:

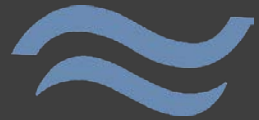
- Establish a methodology for estimating quantities in the Lake Chelan Reserve;
- Clarify regulatory process for allocating water rights from the Reserve, and;
- Create annual process to review and account for water allocated

Provide a proposed schedule for next steps.

No Action is Requested Today



District Agreement Objectives



Maintain District's commitment to allow up to 65,000 acre-feet of water per year (afy) for other uses as administered by Ecology (Lake Chelan Reserve)



Protect the District's hydropower water right



Ensure compliance with current laws and policies



Lake Chelan Water Reserve

65,000 acre feet per year

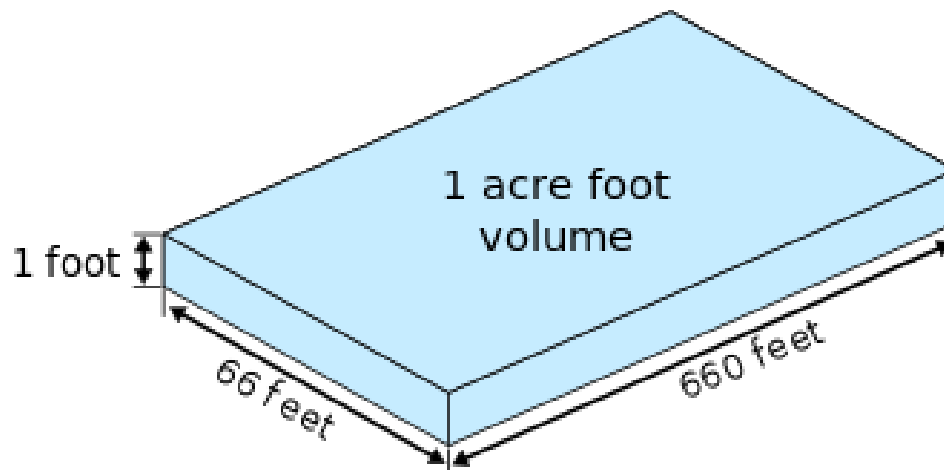
LAKE CHELAN WATER RESERVE	QUANTITY acre feet per year (afy)
1925 water right	33,000 afy
Estimate of allocated water prior to 1925	12,000 afy
1992 Agreement	20,000 afy
Total Lake Chelan Water Reserve	65,000 afy



How Much Water is an Acre-foot?



- 💧 1.0 Acre-foot = the volume of one acre of surface area to a depth of one foot.
- 💧 1.0 Acre-foot/year = approx. 893 gallons per day
- 💧 0.50 - 1.0 afy = annual estimate of water use by a suburban family household



Estimate of How Much is Left



65,000 afy	Lake Chelan Water Reserve
-12,000 afy	1992 Agreement - water rights issued prior to July 22, 1925
-41,723 afy	Water rights allocated by Ecology from 1925 thru 2014 (RH2 Technical Memorandum - April 30, 2014)
11,277 afy	Estimated remaining balance from RH2 technical memorandum, April 30, 2014
-489 afy	Other Ecology refinements
<u>-5,500 afy</u>	<u>Claims (estimate until adjudication)</u>
5,288 afy	Estimated amount remaining in Lake Chelan Water Reserve

**Water rights are generally represented by three different types of water right documents: claims, permits and certificates. A water right claim is simply that – a *claim* to a water right for a beneficial use which predates the state water permitting system. The validity of a claim can only be confirmed through judicial processes.



Collaborative Agreement



1. Agreed on methodology and reporting process for Lake Chelan Reserve accounting.
2. Agreed on conservative estimate of water remaining in the Reserve.
3. Agreed to include groundwater in Lake Chelan Reserve accounting.



Collaborative Agreement Cont.



4. Clarified water to be used in Lake Chelan Water Basin.
5. Established tracking system and database to be implemented and maintained by Ecology.
6. Provides for annual accounting and reporting.



Ecology/Chelan County Cost Reimbursement Program



- Batch-processing of water right applications by a state-approved contractor
- Voluntary program paid for by water right applicants
- Ecology retains decision to approve or deny an application



Next Steps



- Sept 5 Public Session – Resolution to approve Amendment No. 1 to the 1992 Agreement & MOU with Ecology
- Sept 6-13 Ecology public outreach – focus sheet
- Sept 13 Lake Chelan Watershed Planning Unit update



Closing Remarks



Questions?

