

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35846 with mitigation from Trust Water Right No. CS4-01939sb9		
APPLICANT NAME	CONTACT	CONTACT'S TELEPHONE NO
Cascade Investment Group LLC	Anne Watanabe	509-945-0107
WATER RIGHT HOLDER'S NAME (if different)		CONTACT'S EMAIL
Yakima Mitigation Services		anew@inlandcellular.com

DATE OF APPLICATION April 29, 2016

WATER SOURCE: Well	CROP: Lawn and/or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 2.482 ac-ft/yr
PERIOD OF USE: Continuous for 6 domestic connection and season irrigation for lawn and/or garden	
PLACE OF USE: Parcel Nos. 955674, 955675, 955976, 955677, 955678, and 955979, located within the SE ¹ / ₄ SW ¹ / ₄ of Section 16, T. 21 N., R. 14 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 3,000 square feet of lawn and/or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: 6 residential connection at 350 gallons per day (gpd) used continuously year round equates to 2.352 ac-ft/yr of water use, or: Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use (CU) = 0.706 ac-ft/yr</p> <p>Outdoor use: The requestor proposes to irrigate 3,000 ft² of lawn and/or garden. Using a crop irrigation requirement of 18.10 in/yr (or 1.51 ft/yr) for pasture/turf near Cle Elum from the Washington Irrigation Guide and an application efficiency of 80%, the total outdoor irrigation water use is 0.13 ac-ft/yr. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = 0.117 ac-ft/yr</p> <p>Total consumptive use = 0.823 ac-ft/yr</p> <p>Contract water = 0.432 ac-ft/yr for the period September 1 to March 31</p>
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NARRATIVE DESCRIPTION OF PROJECT:

The subject parcels are located on the eastern shore of Cle Elum Lake, along Bell Creek within the SE¼SW¼ Section 16, T. 21 N., R. 14 E.W.M. The Yakima River Mitigation Services Suitability Map (Trust Water Right CS4-01939sb9) indicates that the subject parcel is within the “yellow” area.

The requestor proposes to offset the 0.823 ac-ft/yr of consumptive use for the project (6 residential connection and 3,000 ft² of lawn and garden) with 0.967 ac-ft/yr of mitigation water acquired from Trust Water Right No. CS4-01939sb9. 0.432 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700). In addition to the consumptive use of the project, Ecology will assign 0.144 ac-ft of the Trust Water Right to be managed within the Trust Water Right Program for instream flow purposes to benefit the Yakima River.

Review of the local area hydrogeology suggests that the proposed well would likely capture water that would otherwise discharge to Bell Creek and Cle Elum Lake.

WTWG Project form

Location of G4-35846

