

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35845 with mitigation from Trust Water Right No. CS4-00626CTCL@2sb7		
APPLICANT NAME Steve Ruhnke	CONTACT Jessica Kuchan	CONTACT'S TELEPHONE NO 206-838-7650
WATER RIGHT HOLDER'S NAME (if different) New Suncadia		CONTACT'S EMAIL kuchan@mentorlawgroup.com

DATE OF APPLICATION April 25, 2016

WATER SOURCE: Well	CROP: Lawn and/or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.414 ac-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and season irrigation for lawn and/or garden	
PLACE OF USE: Parcel No. 958790, located within the ¼,¼ of Section 10, T. 19 N., R. 16 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 500 square feet of lawn and/or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: 1 residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 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) = 0.118 ac-ft/yr</p> <p>Outdoor use: The requestor proposes to irrigate 500 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 0.022 ac-ft/yr. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = 0.019 ac-ft/yr</p> <p>Total consumptive use = 0.137 ac-ft/yr</p> <p>Contract water = 0.072 ac-ft/yr for the period September 1 to March 31</p>

NARRATIVE DESCRIPTION OF PROJECT:

The subject parcel is located on a small hill between the Yakima River and Horseshoe Canyon near Interstate 90 in the SW¼ Section 10, T. 19 N., R. 16 E.W.M. The New Suncadia Suitability Map (Trust Water Right S4-00626CTCL@2sb7) indicates that the subject parcel is within the “yellow” area.

The requestor proposes to offset the 0.137 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft² of lawn and garden) with 0.161 ac-ft/yr of mitigation water acquired from Trust Water Right No. CS4-00626CTCL@2sb7. 0.072 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 0.024 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 the intermittent stream within Horseshoe Canyon and the Yakima River.

WTWG Project form

Location of G4-35845

