

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35679 with mitigation from Trust Water Right No. S4-05259CTCL@2sb7		
APPLICANT NAME	CONTACT NAME	TELEPHONE NO.
Robert I & Carol A Richter	Jessica Kuchan	206 838-7650
WATER RIGHT HOLDER'S NAME (if different)		EMAIL
Mitigation with Suncadia Trust Water Right		Kuchan@mentorlaw.com

DATE OF APPLICATION	PRIORITY DATE
February 28, 2014	

WATER SOURCE:	CROP:
Well	Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY:
	0.414 acre-feet/year (afy)
PERIOD OF USE:	
Continuous for single indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE:	PURPOSE OF USE:
Parcel No. 909134, located within the SW ¹ / ₄ NW ¹ / ₄ of Section 35, T. 20 N., R. 14 E.W.M.	Single domestic and Irrigation of 500 ft ² lawn or garden
IRRIGATION METHOD:	

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: One residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 afy of water use, or: (350 gpd per connection) x (365 days) x (one connection) x (1.0 ac-ft/325,851gal) = 0.392 afy Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use = (0.392 afy) x (0.30) = 0.118 afy</p> <p>Outdoor use: The requestor proposes to irrigate 500 ft² of lawn and garden. Using a crop irrigation requirement of 18.11 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 afy, or: [(1.51 ft/yr) ÷ 0.80] x (500 ft² ÷ 43,560 ft²/ac) = 0.022 afy Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = (0.022 afy) x (0.90) = 0.019 afy</p> <p>Total Use: 0.414 afy</p> <p>Total Consumptive Use: 0.137 afy</p>

2014-62- G4-35679
Suncadia Trust Water Right (Richter)

NARRATIVE DESCRIPTION OF PROJECT:

The requestor proposes to offset the 0.137 ac-ft of consumptive use for the project (one residential connection and 500 ft² of lawn and garden) with 0.137 ac-ft of mitigation water acquired from Trust Water Right No. S4-05259CTCL@2sb7. During the irrigation season, 0.072 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address impacts along the Yakima River. Ecology plans to assign 0.024 acre-feet of the Trust Water Right to be managed within the Trust Water Right Program for instream flow purposes to benefit the Yakima River below Parker.

The proposed well for the new use is located in a “green” area as noted on the Suncadia suitability map. Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35679 will likely result in flow impacts to Nelson Creek and the Yakima River.

WTWG Project form

Location of G4-35679

