

2014-64-G4-35677(B)
 Roth Trust Water Right
 (Stevens)

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35677(B) with mitigation from Trust Water Right No. CS4-01676sb5d@3		
APPLICANT NAME	CONTACT NAME	TELEPHONE NO.
Chad and Marcie Stevens	Jill Van Hulle	360-413-1510
WATER RIGHT HOLDER'S NAME (if different)		EMAIL
Mitigation with Roth Trust Water Right		jill@pgwg.com

DATE OF APPLICATION	PRIORITY DATE
February 18, 2013	

WATER SOURCE: groundwater	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 1.69 acre-ft/yr (afy)
PERIOD OF USE: Continuous for single indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE: Parcel No. 15165, located within the NW¼SE¼ of Section 25, T. 20 N., R. 15 E.W.M.	PURPOSE OF USE: multiple domestic (4) and Irrigation of 2,000 ft ² lawn or garden
IRRIGATION METHOD:	

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: Multiple (four) residential connections at 350 gallons per day (gpd) used continuously year round equates to 1.568 afy of water use, or: $(350 \text{ gpd per connection}) \times (365 \text{ days}) \times (\text{four connections}) \times (1.0 \text{ ac-ft}/325,851 \text{ gal}) = \mathbf{1.568 \text{ afy}}$ Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use = $(1.568 \text{ afy}) \times (0.30) = \mathbf{0.47 \text{ afy}}$</p> <p>Outdoor use: The requestor proposes to irrigate 2,000 ft² of lawn and garden. Using a crop irrigation requirement consistent with the methodology used to calculate the Trust Water Right quantities, the outdoor total and consumptive use is as follows: Outdoor total use = $[(2.12 \text{ ft/yr}) \div 0.80] \times (2,000 \text{ ft}^2 \div 43,560 \text{ ft}^2/\text{ac}) = \mathbf{0.122 \text{ afy}}$ Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = $(0.122 \text{ afy}) \times (0.90) = \mathbf{0.109 \text{ afy}}$</p> <p>As a result consumptive use (CU) for the project totals to 0.58 afy (CU April 1 to July 31 is 0.223 ac-ft and CU Aug 1 to Mar 31 is 0.357 ac-ft)</p>

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NARRATIVE DESCRIPTION OF PROJECT:

The requestor proposes to offset the 0.58 afy of consumptive use for the project (four residential connections and 2,000 ft² of lawn and garden) with 0.58 afy of mitigation water acquired from Trust Water Right No. CS4-01676sb5d@3.

Review of the local area hydrogeology suggests that withdrawals under the proposed request will result in flow impacts to the Yakima River south of the Steven's property.

WTWG Project form

Location of G4-35677(B)

