

**Summary Results - Water Needs Assessment
Yakima River Basin Study (Task 2)
August 19, 2010**

I. Federally-Supplied Agriculture

Total diversions averaged approximately 1.8 million acre-feet during the years 1990-2009 (counting only non-drought years).

Non-Proratable Districts' Needs: No additional water needed under current conditions.

Proratable Districts' Needs for Additional Supply, Current Conditions (Drought Years):

Kittitas Reclamation District (KRD):	112,600 AF
Roza Irrigation District (Roza):	116,300
Wapato Irrigation Project (WIP):	<u>126,500</u>
Subtotal	355,400
Less Increase in KRD Return Flows:	<u>-56,300</u>
Adjusted Total:	299,100 AF

For future conditions, information still needs to be developed on climate change and changes in crop mixes.

II. Non-Federally Supplied Agriculture

Total water uses (current) are estimated to be 590,000 acre-feet per year. The water needs assessment does not define a supply deficiency. This is because the Integrated Plan has not identified an objective of providing additional supplies in this category.

**III. Municipal/Domestic Water Uses
(Non-Drought Conditions; Drought Uses Depend on Curtailment Policies)**

	<u>Low</u>	<u>Medium</u>	<u>High</u>
Projected additional use by 2060, adjusted for water conservation and land conversion (AF):	26,000	49,000	75,000
Projected additional <u>consumptive</u> use by 2060 (AF):	10,000	20,000	30,000

IV. Other Uses

Current use (estimated):	26,000 AF
Current consumptive use (estimated)	13,000 AF

Future changes in this category were not assessed; and do not appear necessary to permit the Workgroup to develop recommendations for the Integrated Plan.