Water Supply Benefits
Phase II – Mid-Term Projects (11-25 Years)

	Overall Supply (Drought Year – 2005)			Additional Muni supply	Flow (Drought Year – 2005)			
	TWSA (estimated or assumed)	**% Proration**	**Carryover volume**	**Add'l volume supplied**	**April-Sept. flow @ Parker**	**April-Sept. flow @ Yakima Mouth**	**July-Oct. flow @ Umtanum**	**Flow Benefits**
Phase I Benefits	276-335 KAF increase (an additional 20-50 KAF redistributed through water marketing)	22-27% increase	115-145 KAF increase	5-10 KAF increase	Large Increase (193 KAF)	Large increase (131 KAF)	Large decrease (approx. 200 KAF)	Improve flows through Bumping River, Naches River, portions of upper and lower Yakima River, and upper Yakima tributaries
Additional Water Conservation	15-54 KAF increase	2-4% increase	0-20 KAF increase (estimated)	n/a	Increase (3 KAF)	Small increase	Small decrease (10 KAF)	Increased flow in portions of Yakima and Naches Rivers
Municipal Conservation	To be determined	n/a	n/a	To be determined	n/a	n/a	n/a	Assume conserved water used for growth
Draw water from inactive storage (200 KAF used)	66 KAF increase	5% increase	0 (if all used for TWSA & flow)	n/a	Increase (33 KAF)	Increase (33 KAF)	Small increase	Improve flow in portions of Yakima River
Water markets and water banking	0 (Redistribute 40-80 KAF to water right buyers)	0	0	n/a	No change	No change	Small increase	
Additional ground water infiltration	80-100 KAF	6-8% increase	0 (if all water used for TWSA and flow)	n/a	No change or slight increase	No change	Small decrease	Small reduction in flip-flop releases, improve flow in some tribs (Wilson/Naneum), potential temperature improvements in lower Yakima
COMBINED BENEFITS OF PHASE I & II PROJECTS	**437-555 KAF increase (an additional 60-130 KAF redistributed through water marketing)**	**35-44% increase**	**115-165 KAF increase**	**5-10 KAF increase**	**Large Increase (229 KAF)**	**Large increase (164 KAF)**	**Large decrease (Approx. 200 KAF)**	**Improve flows through Bumping River, Naches River, portions of upper and lower Yakima River, and upper Yakima tributaries**