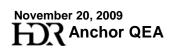
## Water Supply Benefits Phase I – Near Term Projects (0-10 Years)

	Overall Supply (Drought Year – 2005)		Additional Muni supply	Flow (Drought Year – 2005)				
	TWSA (estimated or assumed)	% Proration	Add'l volume supplied	April-Sept. flow @ Parker	April-Sept. flow @ Yakima Mouth	July-Oct. flow @ Umtanum	Flow Benefits	
Conservation (YRBWEP Program)	54-83 KAF increase	4-7% increase	n/a	Large increase (62 KAF)	Small increase	Small decrease	Improve flow in portions of Yakima River and Naches River	
Municipal Conservation	To be determined	n/a	To be determined	n/a	n/a	n/a	Assume conserved water used for growth	
Wymer w/Thorp Pump Station (160 KAF)	60 KAF increase	5% increase	n/a	Large increase (60 KAF)	Large increase (60 KAF)	Large decrease (67-135 KAF)	Improve flow in portions of Yakima River, Cle Elum River, & tributaries (Reecer, Wilson, Naneum, Cherry, and Coleman Creeks); would provide improvement to north-side tributaries.	
Bumping Lake Enlargement (200 KAF)	66 KAF (assuming 100 KAF withdrawal, 2/3 water supply, 1/3 fish flow)	5% increase	n/a	Increase (33 KAF) (used at discretion of fish agencies)	Increase (33 KAF) (used at discretion of fish agencies)	Small increase (assuming add'1 releases from upper reservoir)	Increase flows through Bumping, Naches, and Yakima Rivers	
K to K pipeline	n/a (included below)	n/a (included below)	n/a	n/a (included below)	n/a (included below)	n/a (included below)	Improve summer flows below Keechelus (11 mi)	
Inactive Storage (100 KAF extracted)	66 KAF increase	5% increase	n/a	Increase (33 KAF)	Increase (33 KAF)	Small increase	Improve flow in portions of Yakima River	
Wapatox	n/a	n/a	n/a	n/a	n/a	n/a	Improve flows below Wapatox diversion (70 cfs for 7.4 mi); or below NSID diversion (1.3 additional miles)	
Roza Power subordination	n/a	n/a	n/a	n/a	n/a	n/a	Improve spring flows below Roza Dam (50 to 300 cfs, 14.6 miles)	



	redistributed through water marketing)					·	River, and upper Yakima tributaries
PHASE 1 PROJECTS	(an additional 20-50 KAF			(203 KAF)		(47-125 KAF)	River, portions of upper and lower Yakima
BENEFITS OF	increase	increase	increase	Increase	(141 KAF)	decrease	<b>Bumping River, Naches</b>
COMBINED	266-325 KAF	21-26%	5-10 KAF	Large	Large increase	Large	Improve flows through
						KAF)	(Wilson/Naneum), potential temperature improvements in lower Yakima,
infiltration				slight increase		increase (10-20	releases, improve flow in some tribs
Ground water	20 – 50 KAF	2-4% increase	n/a	No change or	No change	Small	Small reduction in flip-flop
Municipal ASR – City of Yakima	n/a	n/a	5-10 KAF	n/a	n/a	n/a	n/a
transfers	20-50 KAF to water right buyers)	,		_	, and the second	increase	
Canal/South Branch Enhance market	0 (Redistribute	0	n/a	No change	No change	Small	and/or Manastash Creeks
Cle Elum 3' dam raise (assume 15 KAF)	0 n/a	0 n/a	n/a n/a	Small increase (15 KAF)	Small increase (15 KAF)	n/a	Improve flow in portions of Yakima River  Improve flows in Big, Little,
Chandler Power subordination	n/a	n/a	n/a	n/a	n/a	n/a	Improve spring flows below Chandler (zero to 300 cfs, 11.3 miles)

