Water Balance Report

Hunter Valley 2014 – 2015

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
Storage Volume					
Volume in storage at start of year	900,097				
Volume in storage at end of year	867,429				
Change in storage	**32,668**	**5%**			**100%**
Barnard Reserve (4)	**-**	**0%**			**100%**
Storage net evaporation			**43,731**	**6%**	**100%**
Inflows					
Storage inflows (1)	144,521	20%			100%
Downstream tributaries (2)	532,049	75%			100%
Subtotal	**676,570**	**95%**			
Net water diverted under basic rights					
Domestic and stock rights (3)			450	0%	0%
Native title rights			-	0%	
Subtotal			**450**	**0%**	
Net Water diverted under access licences					
Domestic and stock			359		100%
High security			3,914		100%
General security			43,660		100%
Local water utility			6,518		100%
Major utility			30,162		100%
Major utility (dilution)					100%
Supplementary water			14,813		100%
Barnard Reserve dilution (4)			-		100%
Subtotal			**99,426**	**14%**	
Environmental water					
Environmental flows (plan)			24,930	4%	100%
End of water source flows (5)			540,701	76%	100%
Subtotal			**565,631**	**80%**	
Other outflows			**-**		
Unaccounted difference (6)			**-**	**0%**	
Total	**709,238**	**100**	**709,238**	**100%**	

Notes:

(1) Calculated from Glenbawn and Glennies Creek Dams evaporation and releases, less storage drawdown and Barnard Reserve inflows.
(2) Downstream tributaries - assessed by mass balance at Greta
(3) Basic rights are not metered. Values presented are those in the Water Sharing Plan.
(4) Barnard Reserve accumulates from an inter valley physical transfer. (Total Barnard Reserve at the end of the month =0)
(5) Gauged at Greta (not the end) - flows greater than environmental target are provided.
(6) All unaccounted source flows included in tributary inflows.
(7) Planned environmental water delivery requirements were met 100% in 2014-15.