



Computation of long-term annual renewable water resources (RWR) by country (in km³/year, average)

Bulgaria

Internal RWR		
Precipitation (mm/year)	[1]	608
Area of the country (1000 ha)	[2]	11 100
Precipitation (km ³ /year)	[3]	67.49 = $\frac{([1] \times 1000000)}{1000} \times ([2] \times 10)$
Surface water: produced internally	[4]	20.1
Groundwater: produced internally	[5]	6.4
Overlap between surface water and groundwater	[6]	5.5
Total internal renewable water resources	[7]	21 = $[4] + [5] - [6]$
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	0.3	
Inflow not submitted to treaties		[8] 0.3
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	179	[10] 0
Accounted inflow		[11] 0.3 = $[8] + [9] + [10]$
Surface water leaving the country	16.9	
Outflow not submitted to treaties		16.9
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 0.3 = $[11] - [12]$
<u>Groundwater</u>		
Groundwater entering the country	0	[14] 0
Groundwater leaving the country	0.08	0.08
Total external renewable water resources		[15] 0.3 = $[13] + [14]$
Total RWR		
Surface water		[16] 20.4 = $[4] + [13]$
Groundwater		[17] 6.4 = $[5] + [14]$
Overlap between surface water and groundwater		[6] 5.5
Total renewable water resources		[18] 21.3 = $[16] + [17] - [6]$
Dependency ratio (%)		[19] 1.408 = $\frac{100 \times ([11] + [14])}{([11] + [14] + [7])}$