



Computation of long-term annual renewable water resources (RWR) by country (in km<sup>3</sup>/year, average)  
**Venezuela (Bolivarian Republic of)**

Internal RWR		
Precipitation (mm/year)	[1]	2 044 (a)
Area of the country (1000 ha)	[2]	91 205
Precipitation (km <sup>3</sup> /year)	[3]	1 864 =([1]/1000000)x([2]x10)
Surface water: produced internally	[4]	782.7
Groundwater: produced internally	[5]	227 (b)
Overlap between surface water and groundwater	[6]	204.7
<b>Total internal renewable water resources</b>	[7]	805 =([4]+[5]-[6])
External RWR		
	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	495 (c)	
Inflow not submitted to treaties		[8] 495 (d)
Inflow submitted to treaties		0
Inflow secured through treaties		[9] 0
Flow in border rivers	50 (e)	[10] 25
Accounted inflow		[11] 520 =([8]+[9]+[10])
Surface water leaving the country	160 (f)	
Outflow not submitted to treaties		160
Outflow submitted to treaties		0
Outflow secured through treaties		[12] 0
Total external renewable surface water		[13] 520 =([11]-[12])
<u>Groundwater</u>		
Groundwater entering the country	0	[14] 0
Groundwater leaving the country	0	0
<b>Total external renewable water resources</b>		[15] 520 =([13]+[14])
Total RWR		
Surface water	[16]	1 303 =([4]+[13])
Groundwater	[17]	227 =([5]+[14])
Overlap between surface water and groundwater	[6]	204.7
<b>Total renewable water resources</b>	[18]	1 325 =([16]+[17]-[6])
Dependency ratio (%)	[19]	39.25 =100*([11]+[14])/([11]+[14]+[7])

Metadata:

- (a) National figure given same as the one during year 2000 survey. The 1961-1990 (CRU) average is 1875.  
 (b) Difference between groundwater (227) and overlap (204.7) is what is given by MPPA (Ministerio del Poder Popular para el Ambiente) as renewable groundwater (22.3).  
 (c) (COL:)On Catatumbo-Paraguachon: Afluent to Lake Maracaibo  
 (d) From Colombia: 480 (Orinoco), 15 from Catatumbo-Paraguachon (tributaries to Lago Maracaibo).  
 (e) Negro bordering with Colombia.  
 (f) (BRA:)On Casiquiare: This natural canal connects the Orinoco and Amazon basins, and therefore, flow can invert and go north under flood conditions.  
 (f) TO: Guyana: 15 El Dorado, 15 Anacoco (Cuyuni); Colombia: 70 (Orinoco [border- VEN/COL]); Brazil: 60 (Casiquiare)