



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

## Tonga

Internal RWR	
Precipitation (mm/year)	[1] <input style="width: 100px;" type="text"/>
Area of the country (1000 ha)	[2] <input style="width: 100px;" type="text" value="75"/>
Precipitation (km <sup>3</sup> /year)	[3] <input style="width: 100px;" type="text"/> =([1]/1000000)x([2]x10)
Surface water: produced internally	[4] <input style="width: 100px;" type="text"/>
Groundwater: produced internally	[5] <input style="width: 100px;" type="text"/>
Overlap between surface water and groundwater	[6] <input style="width: 100px;" type="text"/>
<b>Total internal renewable water resources</b>	[7] <input style="width: 100px;" type="text"/> =([4]+[5]-[6])

  

External RWR	Total	Accounted
<u>Surface water</u>		
Surface water entering the country	<input style="width: 100px;" type="text" value="0"/>	
Inflow not submitted to treaties		[8] <input style="width: 100px;" type="text" value="0"/>
Inflow submitted to treaties		<input style="width: 100px;" type="text" value="0"/>
Inflow secured through treaties		[9] <input style="width: 100px;" type="text" value="0"/>
Flow in border rivers	<input style="width: 100px;" type="text" value="0"/>	[10] <input style="width: 100px;" type="text" value="0"/>
Accounted inflow		[11] <input style="width: 100px;" type="text" value="0"/> =([8]+[9]+[10])
Surface water leaving the country	<input style="width: 100px;" type="text" value="0"/>	
Outflow not submitted to treaties		<input style="width: 100px;" type="text" value="0"/>
Outflow submitted to treaties		<input style="width: 100px;" type="text" value="0"/>
Outflow secured through treaties		[12] <input style="width: 100px;" type="text" value="0"/>
Total external renewable surface water		[13] <input style="width: 100px;" type="text" value="0"/> =([11]-[12])
<u>Groundwater</u>		
Groundwater entering the country	<input style="width: 100px;" type="text" value="0"/>	[14] <input style="width: 100px;" type="text" value="0"/>
Groundwater leaving the country	<input style="width: 100px;" type="text" value="0"/>	<input style="width: 100px;" type="text" value="0"/>
<b>Total external renewable water resources</b>		[15] <input style="width: 100px;" type="text" value="0"/> =([13]+[14])

  

Total RWR	
Surface water	[16] <input style="width: 100px;" type="text"/> =([4]+[13])
Groundwater	[17] <input style="width: 100px;" type="text"/> =([5]+[14])
Overlap between surface water and groundwater	[6] <input style="width: 100px;" type="text"/>
<b>Total renewable water resources</b>	[18] <input style="width: 100px;" type="text"/> =([16]+[17]-[6])
Dependency ratio (%)	[19] <input style="width: 100px;" type="text" value="0"/> =100*([11]+[14])/([11]+[14]+[7])