

**Table 1: The Kingdom of Tonga's Third National Greenhouse Gas Inventories of Anthropogenic Emissions by Sources and Removals by Sinks of All Greenhouse Gases not controlled by the Montreal Protocol Year 2006.**

Greenhouse Gas Source & Sink Categories Total (Net) National Emissions (Gigagrams per year)	CO <sub>2</sub> Emissions	CO <sub>2</sub> Removals	CH <sub>4</sub>	N <sub>2</sub> O	NO <sub>x</sub>	CO	NMVOC	SO <sub>2</sub>
<b>1. ALL ENERGY</b>	<b>113.13</b>		<b>0.142</b>		<b>0.732</b>	<b>5.318</b>	<b>0.863</b>	<b>0.161</b>
<b>FUEL COMBUSTION</b>								
<i>Energy and Transformation Industries</i>	40.05		0.002		0.109	0.008	0.003	0.077
<i>Manufacturing Industries and Construction</i>	0.94				0.003			0.002
<i>Transport</i>	67.83		0.01		0.58	3.15	0.6	0.08
<i>Other Sectors</i>	3.13		0.13		0.04	2.16	0.26	
• <i>Commercial/ Institutional</i>	1.38							
• <i>Residential</i>	0.81		0.13		0.04	2.16	0.26	
• <i>Agriculture/Forestry/Fishing</i>	0.94							
<i>Water Pumping</i>	1.18							0.002
<b>2. AGRICULTURE</b>	<b>0.01</b>		<b>0.79</b>	<b>0.04</b>	<b>0.05</b>	<b>0.86</b>		
<i>Enteric Fermentation</i>			0.76					
<i>Leaching from Agricultural Soils</i>				0.04				
<i>Cultivation of Histosols</i>								
<i>Emissions from Agricultural Fields</i>								
<i>Prescribed burning of savannas</i>			0.03			0.86		
<i>Field Burning of Agricultural Residues</i>								
<i>Urea Fertilisation</i>	0.01							
<b>3.LAND USE CHANGE &amp; FORESTRY</b>	<b>135.88</b>		<b>-1508.27</b>					
<i>Changes in Forest and Other woody Biomass</i>	135.88		-1066.44					
<i>Forest and Grassland Conversion</i>								
<i>Abandonment of Managed Lands</i>			-441.83					
<i>Carbon Emissions from Agriculturally Impacted Soils</i>								
<b>4. WASTE</b>			<b>0.79</b>	<b>0.09</b>				
<i>Solid Waste Disposal on Land</i>			0.75					
<i>Liquid</i>								
Industrial Waste Water and Sludge								
Domestic and Commercial Waste Water			0.04					
<i>Human Sewage</i>				0.09				