### Economic National Loss Totals: Tonga

**Additional Economic Costs (Negative Numbers Show Positive Effects) - Yearly Average**

<table>
<thead>
<tr>
<th>Year</th>
<th>GDP Losses</th>
<th>GDP Losses</th>
<th>GDP Losses</th>
<th>GDP Losses</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>5.3%</td>
<td>5.3%</td>
<td>5.3%</td>
<td></td>
</tr>
<tr>
<td>2030</td>
<td>9.6%</td>
<td>9.6%</td>
<td>9.6%</td>
<td></td>
</tr>
</tbody>
</table>

**Carbon Intensiveness Impact**

- 2010: 0.2% GDP
- 2030: NIL

### Human National Loss Totals: Tonga

**Additional Human Impacts (Negative Numbers Show Positive Effects) - Yearly Average**

<table>
<thead>
<tr>
<th>Year</th>
<th>Mortality</th>
<th>Additional Persons Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>70,000</td>
<td>75,000</td>
</tr>
<tr>
<td>2030</td>
<td>1,500</td>
<td>2,000</td>
</tr>
</tbody>
</table>

### Full Country Assessment: Tonga

**Vulnerability Levels**

- High
- Severe
- Moderate
- Low

### Environmental Disasters

- **Drought**
- **Floods and Landslides**
- **Storms**
- **Wildfires**

**Habitat Change**

- **Biocentricity**
- **Desertification**

**Labour Productivity**

- **Permafrost**
- **Sea Level Rise**

**Water**

- **Total**

**Health Impact**

- **Diarrheal Infections**
- **Heat and Cold Illnesses**
- **Hunger**
- **Malaria and Vector Borne**
- **Meningitis**

**Industry Stress**

- **Agriculture**
- **Fisheries**
- **Forestry**
- **Hydro Energy**
- **Tourism**

**Transport**

- **Total**

**Carbon Total**

- **Agriculture**
- **Fisheries**
- **Forestry**

### Climate

**Carbon**

- 2010: 1,500
- 2030: 2,000