

# Germany

Submitted on 2 January 2020<sup>1</sup>

## Summary of main findings

Metric	Value	Further information																								
<b>Overall goal of the LTS</b>	'aiming to be largely greenhouse gas neutral by mid-century' <sup>2</sup>	<ul style="list-style-type: none"> <li>The goal includes all main greenhouse gases.</li> <li>The scope of the goal is not explicitly defined. It excludes international maritime and aviation.</li> <li>Remaining emissions in 2050 to be compensated by sinks.</li> </ul>																								
<b>Scenarios presented in the LTS</b>	The LTS does not provide modelling scenarios.																									
<b>GHG reductions</b>	<p><b>Target:</b></p> <p>GHG emission reductions by 2050 compared to 1990 (excluding removals):</p> <p>-80% to -95%</p> <p>It includes indicative milestones for 2030 and 2040.</p>	<p><b>Emission targets by sectors:</b></p> <table border="1"> <thead> <tr> <th>Mio.tCO<sub>2</sub> eq</th> <th>2030</th> <th>2050</th> </tr> </thead> <tbody> <tr> <td><b>Power</b></td> <td>(175, 183)</td> <td>n.a.</td> </tr> <tr> <td><b>Industry</b></td> <td>(140, 143)</td> <td>n.a.</td> </tr> <tr> <td><b>Transport</b></td> <td>(95, 98)</td> <td>n.a.</td> </tr> <tr> <td><b>Buildings</b></td> <td>(70, 72)</td> <td>n.a.</td> </tr> <tr> <td><b>Agriculture</b></td> <td>(58, 61)</td> <td>n.a.</td> </tr> <tr> <td><b>Waste</b></td> <td>n.a.</td> <td>n.a.</td> </tr> <tr> <td><b>LULUCF</b></td> <td>n.a.</td> <td>n.a.</td> </tr> </tbody> </table> <p><i>Note: 2030 Targets as set in the Climate Action Plan 2050 adopted in November 2016. The Federal Climate Change Act, amended in July 2021, defines new GHG emission targets (Mio.tCO<sub>2</sub>eq) for 2030: Power (108), Industry (118), Transport (85), Buildings (67), Agriculture (56), Waste (4), LULUCF (-25, average for the years 2027-2030).</i></p>	Mio.tCO <sub>2</sub> eq	2030	2050	<b>Power</b>	(175, 183)	n.a.	<b>Industry</b>	(140, 143)	n.a.	<b>Transport</b>	(95, 98)	n.a.	<b>Buildings</b>	(70, 72)	n.a.	<b>Agriculture</b>	(58, 61)	n.a.	<b>Waste</b>	n.a.	n.a.	<b>LULUCF</b>	n.a.	n.a.
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<b>Renewable Energy Sources</b>	n.a.	<p><b>Main drivers and features:</b></p> <ul style="list-style-type: none"> <li>The LTS does not provide any likely estimate of renewable's shares in final energy consumption or for specific sectors.</li> </ul>																								
<b>Energy Efficiency</b>	n.a.	<p><b>Main drivers and features:</b></p> <ul style="list-style-type: none"> <li>The LTS does not provide any likely estimate of final energy consumption by 2050.</li> <li>The LTS refers to the National Action Plan on Energy Efficiency (NAPE), a package of measures to increase energy efficiency, adopted by the Federal Government in December 2014.</li> </ul>																								
<b>Estimated investment needs</b>	n.a.	<ul style="list-style-type: none"> <li>The LTS does not provide any estimate of investment needs.</li> <li>The LTS refers to the Climate Action Plan 2050, which provides some guidance for investments up to 2030.</li> </ul>																								
<b>Socio-economic impacts of transition</b>	n.a.	<ul style="list-style-type: none"> <li>The LTS does not provide any assessment.</li> </ul>																								

<sup>1</sup> The LTS submitted to the Commission in January 2020 was prepared in 2016. In December 2019, the Federal Climate Change Act entered into force, which was subsequently amended in July 2021.

<sup>2</sup> Overall goal as set out in the Climate Action Plan 2050, adopted in November 2016. The Federal Climate Change Act, amended in July 2021, defines a new long-term goal for Germany: "By the year 2045, greenhouse gas emissions shall be reduced to the point of net greenhouse gas neutrality. After the year 2050, negative greenhouse gas emissions are to be achieved."

Metric	Value	Further information
<b>Adaptation Policies and Measures</b>	No	<ul style="list-style-type: none"> <li>No information provided. A reference is made to the Germany Strategy for Adaptation to Climate Change.</li> </ul>
<b>Public consultation</b>	Limited	<ul style="list-style-type: none"> <li>A public consultation took place between June 2015 and March 2016. The process involved representatives of the federal states and local authorities, business and civil society associations and the general public. However, the LTS does not provide a summary of the feedback received.</li> </ul>
<b>Legal status of the LTS and targets</b>	Unspecified	<ul style="list-style-type: none"> <li>The LTS does not provide any specific information. The document was written in 2016. In December 2019, the Climate Change Act entered into force, which was subsequently amended in July 2021.</li> </ul>

### Overall completeness of the LTS

- The strategy is outdated and does not reflect Germany's current legal commitments on climate and energy policies.
- The LTS had defined a goal for Germany, aiming to be 'largely' greenhouse gas neutral by 2050.
- The LTS includes few of the mandatory contents. Gaps in mandatory elements are:
  - Projected emission reductions and enhancement of removals by 2050;
  - GHG and CO<sub>2</sub> intensity of GDP;
  - Emission trajectories by sector;
  - Estimated investment needs;
  - Strategies for research, development and innovation;
  - Socio-economic impact assessment.
- Most of the non-mandatory contents are also missing (e.g. the estimated likely share of renewable energy, the estimated likely energy consumption, adaptation policies and measures, main drivers for energy use in the power sector, transport decarbonisation options, emission reduction options in the agriculture sector, links to agriculture and rural development policies, etc.)