

OVERVIEW



In May 2019, Germany published its first National Air Pollution Control Programme ([NAPCP 2019](#)) under the revised NEC directive (EU) 2016/2284. According to Article 6 (3) of the Directive, the NAPCP must be reported in an updated version at least every four years. In this context, Germany published a draft NAPCP on June 7th, 2023. Corresponding emission projections were reported to the central data repository of the European Environment Agency (EEA) on May 2nd, 2023 under the CLRTAP and the NEC directive, presenting both the “with measures” (WM) and the “with additional measures” (WAM) preliminary scenarios as defined in the draft NAPCP 2023 mentioned above. The second German National Air Pollution

Control Programme (NAPCP 2023) was passed by the federal government and published in May 2024, consistent with the previously reported projections. According to Article 8 (6) of the EU Directive 2016/2284, these projections must be updated and reported every two years. Emission projections under the CLRTAP are fully aligned with the reporting presented in the context of the NEC directive.

Updated emission projections were reported on March 14th, 2025 under the (CLRTAP) and the (NEC directive), presenting both the “with measures” (WM) and the “with additional measures” (WAM) scenarios. The IIR 2025 projections chapter describes all assumptions and methodology of those emission projections.

Projections reported in 2025 are based on emission inventory submission 2024 (see Table 1). In addition, because of relevant recalculations in ammonia emissions of the agricultural sector (NFR 3) within emission inventory submission 2025 (see Chapter 8.1 - Recalculations), a second dataset was submitted containing only ammonia emission projections in the “with measures” (WM) scenario based on emission inventory submission 2025 under otherwise identical assumptions (see Table 2).

Based on the NEC & CLRTAP Inventory Submission 2024, the results can be summarized as follows:

Table 1: Overview results of projections 2025 (based on NEC & CLRTAP Inventory Submission 2024)

| | NO_x | SO₂ | NMVOC | NH₃ | PM_{2.5} |
|--|-----------------------|-----------------------|--------------|-----------------------|-------------------------|
| NATIONAL TOTAL 2005 (Submission 2024) | 1,478 kt | 472 kt | 1,167 kt | 627 kt | 133 kt |
| NATIONAL TOTAL 2022 (Submission 2024) | 841 kt | 255 kt | 747 kt | 512 kt | 84 kt |
| Reduction Commitment 2020 | -39 % | -21 % | -13 % | -5 % | -26 % |
| Reduction Reported 2022 | -43 % | -46 % | -36 % | -18 % | -37 % |
| NEC-Compliance | Yes | Yes | Yes | Yes | Yes |
| Reduction Commitment 2030 | -65 % | -58 % | -28 % | -29 % | -43 % |
| Reduction Commitment 2030 | 517 kt | 198 kt | 840 kt | 445 kt | 76 kt |
| Projected Emissions 2030 WM | -66 % | -71 % | -35 % | -31 % | -43 % |
| NEC-Compliance WM | Yes | Yes | Yes | Yes | Yes |
| Projected Emissions 2030 WAM | -66 % | -71 % | -35 % | -31 % | -44 % |
| NEC-Compliance WAM | Yes | Yes | Yes | Yes | Yes |

Notes: This table does not include NO_x and NMVOC emissions from agriculture (NFR 3.B and 3.D) as they are excluded for compliance checking according to Article 4 (3) of the NEC directive. Projected emissions and historic data are based on submission 2024. All values have been rounded to integer numbers. The calculation for determining the reduction commitment took place with the exact values in 2005. The rounding can lead to slight deviations.

Based on the NEC & CLRTAP Inventory Submission 2025, the recalculated results for ammonia can be summarized as follows:

Table 2: Revised projections for NH₃ (ammonia), (based on NEC & CLRTAP Inventory Submission 2025)

| | NH₃ |
|--|-----------------------|
| NATIONAL TOTAL 2005 (Submission 2025) | 714 kt |
| NATIONAL TOTAL 2023 (Submission 2025) | 569 kt |
| Reduction Commitment 2020 | -5% |
| Reduction Reported 2023 | -20% |
| NEC-Compliance | Yes |
| Reduction Commitment 2030 | -29% |
| Reduction Commitment 2030 | 507 kt |
| Projected Emissions 2030 WM | -33% |
| NEC-Compliance WM | Yes |