

Fossil CO₂ emissions

In 2024, fossil CO₂ was 14.4% below the baseline of 2,851,696 kgCO₂.

2024: 2,440,424 kgCO₂
2030 target: 1,397,331 kgCO₂

To achieve this target, fossil CO₂ must reduce by another 42.7% from 2024 level within 6 years. If planned energy-saving projects are implemented fossil CO₂ could reduce by 4.6%, by 2030*.

Total CO₂ emissions

In 2024, total CO₂ was 34.6% below the baseline of 7,352,539 kgCO₂.

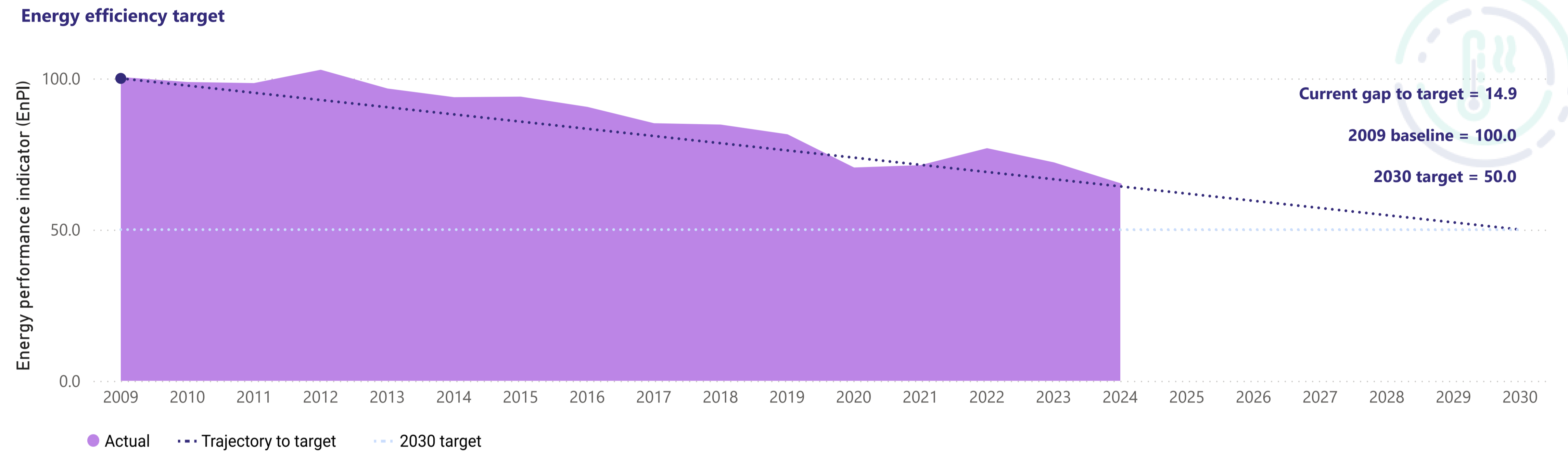
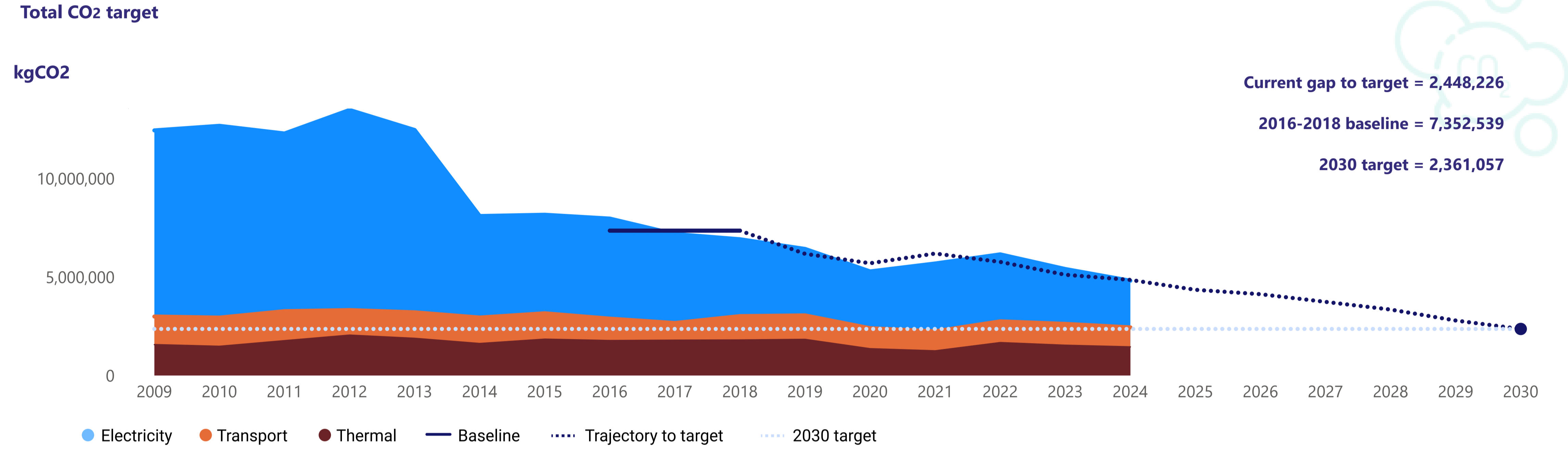
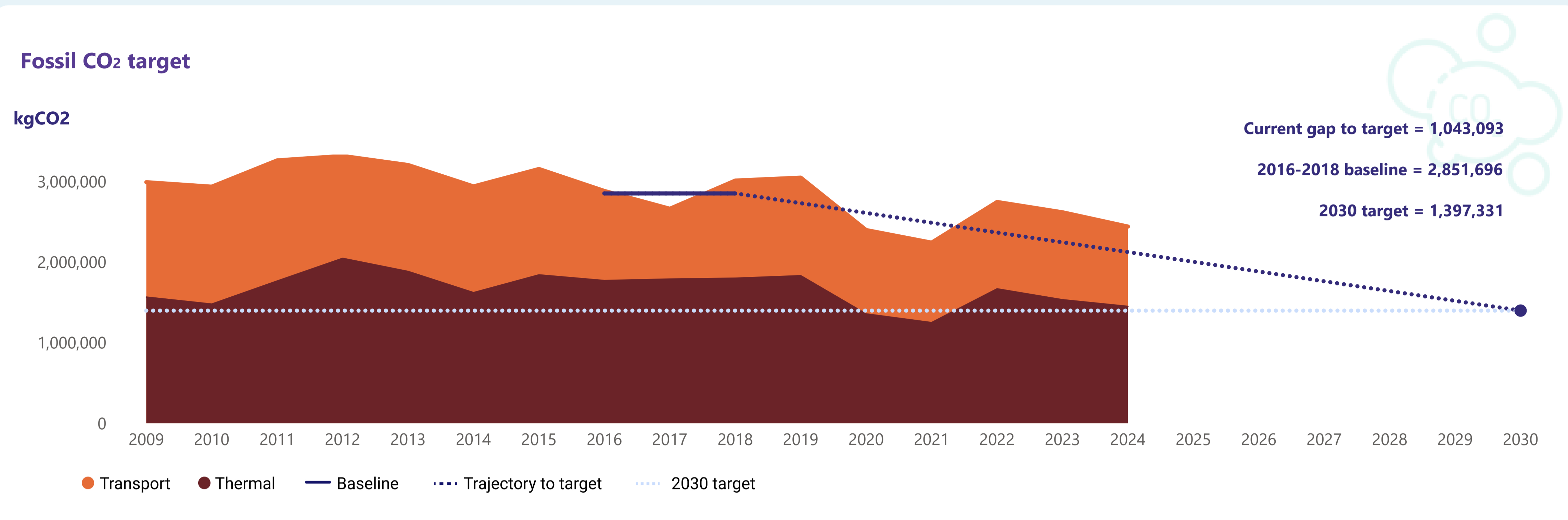
2024: 4,809,283 kgCO₂
2030 target: 2,361,057 kgCO₂

To achieve this target, total CO₂ must reduce by another 50.9% from 2024 level within 6 years. If planned energy-saving projects are implemented total CO₂ could reduce by 32.6%, by 2030*.

Energy efficiency

By 2024, energy performance had improved by 35.1% since the baseline.

To achieve the efficiency target, energy performance must improve by another 14.9 percentage points within 6 years. If planned energy-saving projects are implemented performance could improve by 9.0 percentage points, by 2030*.



Projected impact of planned energy-saving projects reported via SEAI's monitoring & reporting (M&R) system

*Note that the projected future impacts of planned projects are calculated from the data reported to SEAI by the organisation. The projections assume that the organisation will not grow its energy footprint between now and 2030, e.g. through expansion, new capacity etc.

Fossil CO₂ target, kgCO₂

If planned projects are implemented fossil CO₂ could reduce by 4.6%, indicating a gap to target of 1,008,877 kgCO₂ in 2030*.

Total CO₂ target, kgCO₂

If planned projects are implemented total CO₂ could reduce by 32.6%, indicating a gap to target of 879,444 kgCO₂ in 2030*.

Energy efficiency target, EnPI

If planned projects are implemented energy performance could improve by 9.0 percentage points, indicating a gap to target of 5.9 percentage points in 2030*.

● Thermal CO₂ ● Transport CO₂ ● Electricity CO₂ ● Energy performance indicator - - - 2030 business as usual - - - 2030 target

Thermal energy

7.3M 2023 | 7.2M 2024

Final energy
7,155,271 kWh
 consumed in 2024

8.7M 2023 | 8.3M 2024

Primary energy
8,289,728 kWh
 consumed in 2024

1.5M 2023 | 1.4M 2024

CO₂ emission
1,449,728 kgCO₂
 emitted in 2024

Transport fuels

4.5M 2023 | 4.1M 2024

Final energy
4,120,501 kWh
 consumed in 2024

4.9M 2023 | 4.5M 2024

Primary energy
4,532,551 kWh
 consumed in 2024

1.1M 2023 | 1.0M 2024

CO₂ emission
990,696 kgCO₂
 emitted in 2024

Electricity

10M 2023 | 9M 2024

Final energy
9,208,744 kWh
 consumed in 2024

18M 2023 | 16M 2024

Primary energy
16,284,244 kWh
 consumed in 2024

2.8M 2023 | 2.4M 2024

CO₂ emission
2,368,858 kgCO₂
 emitted in 2024

Total energy

22M 2023 | 20M 2024

Final energy
20,484,517 kWh
 consumed in 2024

32M 2023 | 29M 2024

Primary energy
29,106,524 kWh
 consumed in 2024

5.4M 2023 | 4.8M 2024

CO₂ emission
4,809,283 kgCO₂
 emitted in 2024