

# Historical cost data

**ISIN: DE000HC448Z8**

| Date       | Cost Impact / Reduction in Yield (%) | Entry Costs (%) | Exit Costs (%) | Portfolio Transaction Costs per Year (%) | Other Ongoing Costs (%) |
|------------|--------------------------------------|-----------------|----------------|--|-------------------------|
| 10.02.2023 | 8.2                                  | 6.7             | 1.4            | 0  | 0.1                     |
| 14.02.2023 | 0.4                                  | 1.5             | -1.2           | 0  | 0.1                     |
| 25.04.2023 | 0.3                                  | 0.7             | -0.5           | 0  | 0.1                     |
| 04.10.2023 | 0.4                                  | 1               | -0.7           | 0  | 0.1                     |
| 05.10.2023 | 0.4                                  | 1.2             | -0.9           | 0  | 0.1                     |
| 15.02.2023 | 0.4                                  | 1.3             | -1             | 0  | 0.1                     |
| 16.02.2023 | 0.4                                  | 1.6             | -1.3           | 0  | 0.1                     |
| 17.02.2023 | 0.4                                  | 1.4             | -1.1           | 0  | 0.1                     |
| 21.02.2023 | 1                                    | 2.2             | -1.2           | 0  | 0.1                     |
| 22.02.2023 | 0.4                                  | 1.3             | -1             | 0  | 0.1                     |
| 23.02.2023 | 0.4                                  | 1.5             | -1.2           | 0  | 0.1                     |
| 24.02.2023 | 0.4                                  | 1.2             | -0.9           | 0  | 0.1                     |
| 28.02.2023 | 0.4                                  | 1.4             | -1.1           | 0  | 0.1                     |
| 01.03.2023 | 0.4                                  | 1.6             | -1.3           | 0  | 0.1                     |
| 02.03.2023 | 0.4                                  | 1.8             | -1.5           | 0  | 0.1                     |
| 03.03.2023 | 0.4                                  | 1.4             | -1.1           | 0  | 0.1                     |
| 07.03.2023 | 0.4                                  | 1.4             | -1.1           | 0  | 0.1                     |
| 08.03.2023 | 0.4                                  | 1.7             | -1.4           | 0  | 0.1                     |
| 09.03.2023 | 0.4                                  | 1.4             | -1.1           | 0  | 0.1                     |
| 10.03.2023 | 0.4                                  | 1.4             | -1.1           | 0  | 0.1                     |
| 14.03.2023 | 0.4                                  | 0.2             | 0.2            | 0  | 0.1                     |
| 15.03.2023 | 0.4                                  | 1.4             | -1.1           | 0  | 0.1                     |
| 16.03.2023 | 0.4                                  | 2.3             | -2             | 0  | 0.1                     |
| 17.03.2023 | 0.4                                  | 1.4             | -1.1           | 0  | 0.1                     |
| 21.03.2023 | 0.3                                  | 1.5             | -1.2           | 0  | 0.1                     |
| 22.03.2023 | 0.4                                  | 1.3             | -1             | 0  | 0.1                     |
| 23.03.2023 | 0.3                                  | 1.3             | -1             | 0  | 0.1                     |
| 24.03.2023 | 0.3                                  | 1.3             | -1             | 0  | 0.1                     |
| 28.03.2023 | 0.3                                  | 1.2             | -0.9           | 0  | 0.1                     |
| 29.03.2023 | 0.3                                  | 1.1             | -0.8           | 0  | 0.1                     |
| 30.03.2023 | 0.3                                  | 1.1             | -0.9           | 0  | 0.1                     |

|            |     |     |      |   |     |
|------------|-----|-----|------|---|-----|
| 31.03.2023 | 0.3 | 1.2 | -0.9 | 0 | 0.1 |
| 04.04.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 05.04.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 06.04.2023 | 0.3 | 1   | -0.7 | 0 | 0.1 |
| 12.04.2023 | 0.3 | 1.3 | -1   | 0 | 0.1 |
| 13.04.2023 | 0.3 | 1.1 | -0.8 | 0 | 0.1 |
| 14.04.2023 | 0.3 | 1.2 | -0.9 | 0 | 0.1 |
| 18.04.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 19.04.2023 | 0.3 | 1.1 | -0.8 | 0 | 0.1 |
| 20.04.2023 | 0.3 | 1.2 | -0.9 | 0 | 0.1 |
| 21.04.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 26.04.2023 | 0.3 | 0.9 | -0.6 | 0 | 0   |
| 27.04.2023 | 0.3 | 0.8 | -0.6 | 0 | 0.1 |
| 28.04.2023 | 0.3 | 0.8 | -0.6 | 0 | 0.1 |
| 03.05.2023 | 0.3 | 1   | -0.7 | 0 | 0.1 |
| 04.05.2023 | 0.3 | 0.9 | -0.7 | 0 | 0.1 |
| 05.05.2023 | 0.3 | 0.1 | 0.1  | 0 | 0.1 |
| 09.05.2023 | 0.3 | 0.9 | -0.7 | 0 | 0.1 |
| 10.05.2023 | 0.3 | 0.8 | -0.5 | 0 | 0.1 |
| 11.05.2023 | 0.3 | 0.9 | -0.6 | 0 | 0.1 |
| 12.05.2023 | 0.3 | 0.8 | -0.6 | 0 | 0.1 |
| 16.05.2023 | 0.3 | 0.8 | -0.6 | 0 | 0.1 |
| 17.05.2023 | 0.3 | 0.7 | -0.5 | 0 | 0.1 |
| 18.05.2023 | 0.3 | 0.8 | -0.6 | 0 | 0.1 |
| 19.05.2023 | 0.3 | 0.9 | -0.6 | 0 | 0.1 |
| 23.05.2023 | 0.3 | 0.7 | -0.5 | 0 | 0.1 |
| 24.05.2023 | 0.3 | 0.9 | -0.6 | 0 | 0.1 |
| 25.05.2023 | 0.3 | 0.9 | -0.7 | 0 | 0.1 |
| 26.05.2023 | 0.3 | 1.1 | -0.8 | 0 | 0.1 |
| 30.05.2023 | 0.9 | 1.5 | -0.7 | 0 | 0.1 |
| 31.05.2023 | 0.4 | 1.2 | -0.9 | 0 | 0.1 |
| 01.06.2023 | 0.4 | 1.3 | -1   | 0 | 0.1 |
| 02.06.2023 | 0.4 | 1   | -0.8 | 0 | 0.1 |
| 06.06.2023 | 0.3 | 1.1 | -0.8 | 0 | 0.1 |
| 07.06.2023 | 0.4 | 1.4 | -1.1 | 0 | 0.1 |
| 08.06.2023 | 0.4 | 1.3 | -1   | 0 | 0.1 |
| 09.06.2023 | 0.4 | 1.3 | -1.1 | 0 | 0.1 |
| 13.06.2023 | 0.4 | 1.2 | -0.9 | 0 | 0.1 |
| 15.06.2023 | 0.4 | 1.1 | -0.9 | 0 | 0.1 |

|            |     |     |      |   |     |
|------------|-----|-----|------|---|-----|
| 20.06.2023 | 0.9 | 1.6 | -0.8 | 0 | 0.1 |
| 21.06.2023 | 0.3 | 1   | -0.7 | 0 | 0.1 |
| 22.06.2023 | 0.3 | 1.3 | -1   | 0 | 0.1 |
| 23.06.2023 | 0.3 | 1.2 | -0.9 | 0 | 0.1 |
| 27.06.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 28.06.2023 | 0.3 | 1.3 | -1   | 0 | 0.1 |
| 29.06.2023 | 0.3 | 1.3 | -1   | 0 | 0.1 |
| 30.06.2023 | 0.3 | 1.3 | -1.1 | 0 | 0.1 |
| 04.07.2023 | 0.3 | 1.4 | -1.1 | 0 | 0.1 |
| 05.07.2023 | 0.8 | 1.5 | -0.8 | 0 | 0.1 |
| 06.07.2023 | 0.3 | 1.1 | -0.8 | 0 | 0.1 |
| 07.07.2023 | 0.3 | 1.2 | -1   | 0 | 0.1 |
| 11.07.2023 | 0.3 | 1.2 | -0.9 | 0 | 0.1 |
| 12.07.2023 | 0.3 | 1.4 | -1.1 | 0 | 0.1 |
| 13.07.2023 | 0.3 | 1.3 | -1   | 0 | 0.1 |
| 14.07.2023 | 0.3 | 1.2 | -0.9 | 0 | 0.1 |
| 18.07.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 19.07.2023 | 0.3 | 1.3 | -1   | 0 | 0.1 |
| 20.07.2023 | 0.3 | 1.3 | -1   | 0 | 0.1 |
| 21.07.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 25.07.2023 | 0.3 | 1.1 | -0.8 | 0 | 0.1 |
| 26.07.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 27.07.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 28.07.2023 | 0.3 | 1   | -0.7 | 0 | 0.1 |
| 01.08.2023 | 0.3 | 0.9 | -0.7 | 0 | 0.1 |
| 02.08.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 03.08.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 04.08.2023 | 0.3 | 0.8 | -0.6 | 0 | 0.1 |
| 08.08.2023 | 0.3 | 1.2 | -1   | 0 | 0.1 |
| 09.08.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 10.08.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 11.08.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 15.08.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 16.08.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 17.08.2023 | 0.3 | 1.2 | -0.9 | 0 | 0.1 |
| 18.08.2023 | 0.3 | 1.1 | -0.8 | 0 | 0.1 |
| 22.08.2023 | 0.3 | 1.2 | -1   | 0 | 0.1 |
| 23.08.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 24.08.2023 | 0.3 | 1.2 | -1   | 0 | 0.1 |

|            |     |     |      |   |     |
|------------|-----|-----|------|---|-----|
| 25.08.2023 | 0.3 | 1.2 | -1   | 0 | 0.1 |
| 29.08.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 30.08.2023 | 0.3 | 1.2 | -0.9 | 0 | 0.1 |
| 31.08.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 01.09.2023 | 0.3 | 1.2 | -1   | 0 | 0.1 |
| 05.09.2023 | 0.8 | 1.5 | -0.8 | 0 | 0.1 |
| 06.09.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 07.09.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 08.09.2023 | 0.6 | 1.3 | -0.8 | 0 | 0.1 |
| 12.09.2023 | 0.3 | 1.3 | -1   | 0 | 0.1 |
| 13.09.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 14.09.2023 | 0.3 | 1.1 | -0.8 | 0 | 0.1 |
| 15.09.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 19.09.2023 | 0.5 | 1.3 | -0.9 | 0 | 0.1 |
| 20.09.2023 | 0.3 | 1.2 | -1   | 0 | 0.1 |
| 21.09.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 22.09.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 26.09.2023 | 0.3 | 1.2 | -1   | 0 | 0.1 |
| 27.09.2023 | 0.3 | 1.1 | -0.9 | 0 | 0.1 |
| 28.09.2023 | 0.3 | 1   | -0.7 | 0 | 0.1 |
| 29.09.2023 | 0.4 | 0.9 | -0.7 | 0 | 0.1 |
| 03.10.2023 | 0.4 | 1.1 | -0.8 | 0 | 0.1 |
| 25.10.2023 | 0.3 | 0.9 | -0.6 | 0 | 0.1 |
| 01.12.2023 | 0.3 | 1.3 | -1   | 0 | 0.1 |
| 05.01.2024 | 0.4 | 0.8 | -0.5 | 0 | 0.1 |
| 17.01.2024 | 0.4 | 0.7 | -0.4 | 0 | 0.1 |
| 09.04.2024 | 0.3 | 0.6 | -0.3 | 0 | 0.1 |
| 17.04.2024 | 0.3 | 0.6 | -0.4 | 0 | 0.1 |
| 30.04.2024 | 0.3 | 0.5 | -0.2 | 0 | 0.1 |
| 06.10.2023 | 0.4 | 1.3 | -0.9 | 0 | 0.1 |
| 10.10.2023 | 0.4 | 1.3 | -1   | 0 | 0.1 |
| 11.10.2023 | 0.4 | 1.2 | -0.8 | 0 | 0.1 |
| 12.10.2023 | 0.4 | 1.2 | -0.9 | 0 | 0.1 |
| 13.10.2023 | 0.4 | 1.1 | -0.8 | 0 | 0.1 |
| 17.10.2023 | 0.4 | 1.1 | -0.8 | 0 | 0.1 |
| 18.10.2023 | 0.4 | 1.1 | -0.8 | 0 | 0.1 |
| 19.10.2023 | 0.9 | 1.6 | -0.8 | 0 | 0.1 |
| 20.10.2023 | 0.4 | 1   | -0.7 | 0 | 0.1 |
| 24.10.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |

|            |     |     |      |   |     |
|------------|-----|-----|------|---|-----|
| 26.10.2023 | 0.3 | 1   | -0.7 | 0 | 0.1 |
| 27.10.2023 | 0.3 | 1.1 | -0.8 | 0 | 0.1 |
| 31.10.2023 | 0.4 | 1.1 | -0.8 | 0 | 0.1 |
| 01.11.2023 | 0.3 | 1.5 | -1.2 | 0 | 0.1 |
| 02.11.2023 | 0.3 | 1.1 | -0.8 | 0 | 0.1 |
| 03.11.2023 | 0.3 | 0.9 | -0.7 | 0 | 0.1 |
| 07.11.2023 | 0.3 | 1.1 | -0.8 | 0 | 0.1 |
| 08.11.2023 | 0.3 | 1.1 | -0.8 | 0 | 0.1 |
| 09.11.2023 | 0.3 | 1   | -0.7 | 0 | 0.1 |
| 10.11.2023 | 0.3 | 0.8 | -0.6 | 0 | 0.1 |
| 14.11.2023 | 0.3 | 0.9 | -0.7 | 0 | 0.1 |
| 15.11.2023 | 0.3 | 1   | -0.7 | 0 | 0.1 |
| 16.11.2023 | 0.3 | 0.9 | -0.7 | 0 | 0.1 |
| 17.11.2023 | 0.3 | 1   | -0.7 | 0 | 0.1 |
| 21.11.2023 | 0.3 | 1.2 | -0.9 | 0 | 0.1 |
| 22.11.2023 | 0.4 | 1.1 | -0.8 | 0 | 0.1 |
| 23.11.2023 | 0.3 | 0.9 | -0.7 | 0 | 0.1 |
| 24.11.2023 | 0.9 | 1.5 | -0.7 | 0 | 0.1 |
| 28.11.2023 | 0.3 | 1.2 | -0.9 | 0 | 0.1 |
| 29.11.2023 | 0.3 | 1.2 | -0.9 | 0 | 0.1 |
| 30.11.2023 | 0.3 | 1.2 | -0.9 | 0 | 0.1 |
| 05.12.2023 | 0.3 | 1   | -0.8 | 0 | 0.1 |
| 06.12.2023 | 0.4 | 1.2 | -0.9 | 0 | 0.1 |
| 07.12.2023 | 0.4 | 1.2 | -0.8 | 0 | 0.1 |
| 08.12.2023 | 0.4 | 1.2 | -0.9 | 0 | 0.1 |
| 12.12.2023 | 0.4 | 1.3 | -0.9 | 0 | 0.1 |
| 13.12.2023 | 0.4 | 1   | -0.7 | 0 | 0.1 |
| 14.12.2023 | 0.4 | 1   | -0.7 | 0 | 0.1 |
| 15.12.2023 | 0.4 | 1.1 | -0.8 | 0 | 0.1 |
| 19.12.2023 | 0.4 | 1   | -0.7 | 0 | 0.1 |
| 20.12.2023 | 0.4 | 1.1 | -0.8 | 0 | 0.1 |
| 21.12.2023 | 0.4 | 1.1 | -0.7 | 0 | 0.1 |
| 22.12.2023 | 0.4 | 1.3 | -0.9 | 0 | 0.1 |
| 28.12.2023 | 0.4 | 1   | -0.7 | 0 | 0.1 |
| 29.12.2023 | 0.4 | 0.9 | -0.6 | 0 | 0.1 |
| 03.01.2024 | 0.4 | 1.1 | -0.8 | 0 | 0.1 |
| 04.01.2024 | 0.4 | 1   | -0.6 | 0 | 0.1 |
| 09.01.2024 | 0.4 | 0.9 | -0.6 | 0 | 0.1 |
| 10.01.2024 | 0.4 | 1   | -0.7 | 0 | 0.1 |

|            |     |     |      |   |     |
|------------|-----|-----|------|---|-----|
| 11.01.2024 | 0.4 | 0.7 | -0.4 | 0 | 0.1 |
| 12.01.2024 | 0.4 | 1   | -0.7 | 0 | 0.1 |
| 16.01.2024 | 0.9 | 1.4 | -0.6 | 0 | 0.1 |
| 18.01.2024 | 0.4 | 0.7 | -0.4 | 0 | 0.1 |
| 19.01.2024 | 0.4 | 0.7 | -0.4 | 0 | 0.1 |
| 23.01.2024 | 0.4 | 0.8 | -0.5 | 0 | 0.1 |
| 24.01.2024 | 0.3 | 0.9 | -0.6 | 0 | 0.1 |
| 25.01.2024 | 0.3 | 0.8 | -0.5 | 0 | 0.1 |
| 26.01.2024 | 0.3 | 0.7 | -0.4 | 0 | 0.1 |
| 30.01.2024 | 0.3 | 0.8 | -0.6 | 0 | 0.1 |
| 31.01.2024 | 0.3 | 0.9 | -0.7 | 0 | 0.1 |
| 01.02.2024 | 0.3 | 0.5 | -0.3 | 0 | 0.1 |
| 02.02.2024 | 0.3 | 0.6 | -0.3 | 0 | 0.1 |
| 06.02.2024 | 0.3 | 0.7 | -0.5 | 0 | 0.1 |
| 07.02.2024 | 0.3 | 0.6 | -0.4 | 0 | 0.1 |
| 08.02.2024 | 0.3 | 0.7 | -0.5 | 0 | 0.1 |
| 09.02.2024 | 0.3 | 0.5 | -0.2 | 0 | 0.1 |
| 13.02.2024 | 0.3 | 0.9 | -0.6 | 0 | 0.1 |
| 14.02.2024 | 0.3 | 0.6 | -0.3 | 0 | 0.1 |
| 15.02.2024 | 0.3 | 0.7 | -0.4 | 0 | 0.1 |
| 16.02.2024 | 0.3 | 0.6 | -0.3 | 0 | 0.1 |
| 20.02.2024 | 0.8 | 1.1 | -0.4 | 0 | 0.1 |
| 21.02.2024 | 0.3 | 0.5 | -0.3 | 0 | 0.1 |
| 22.02.2024 | 0.3 | 0.6 | -0.4 | 0 | 0.1 |
| 23.02.2024 | 0.3 | 0.6 | -0.3 | 0 | 0.1 |
| 27.02.2024 | 0.3 | 0.5 | -0.3 | 0 | 0.1 |
| 28.02.2024 | 0.3 | 0.5 | -0.3 | 0 | 0.1 |
| 29.02.2024 | 0.3 | 0.6 | -0.3 | 0 | 0.1 |
| 01.03.2024 | 0.3 | 0.4 | -0.2 | 0 | 0.1 |
| 05.03.2024 | 0.3 | 0.5 | -0.2 | 0 | 0.1 |
| 06.03.2024 | 0.3 | 0.5 | -0.3 | 0 | 0.1 |
| 07.03.2024 | 0.3 | 0.6 | -0.4 | 0 | 0.1 |
| 08.03.2024 | 0.3 | 0.5 | -0.3 | 0 | 0.1 |
| 12.03.2024 | 0.3 | 0.4 | -0.2 | 0 | 0.1 |
| 13.03.2024 | 0.3 | 0.6 | -0.3 | 0 | 0.1 |
| 14.03.2024 | 0.3 | 0.5 | -0.2 | 0 | 0.1 |
| 15.03.2024 | 0.3 | 0.5 | -0.3 | 0 | 0.1 |
| 19.03.2024 | 0.3 | 0.4 | -0.2 | 0 | 0.1 |
| 20.03.2024 | 0.3 | 0.4 | -0.1 | 0 | 0.1 |

|            |     |     |      |   |     |
|------------|-----|-----|------|---|-----|
| 21.03.2024 | 0.3 | 0.4 | -0.2 | 0 | 0.1 |
| 22.03.2024 | 0.3 | 0.6 | -0.4 | 0 | 0.1 |
| 26.03.2024 | 0.3 | 0.6 | -0.4 | 0 | 0.1 |
| 27.03.2024 | 0.3 | 0.4 | -0.2 | 0 | 0.1 |
| 28.03.2024 | 0.3 | 0.5 | -0.3 | 0 | 0.1 |
| 03.04.2024 | 0.3 | 0.5 | -0.2 | 0 | 0.1 |
| 04.04.2024 | 0.3 | 0.6 | -0.4 | 0 | 0.1 |
| 05.04.2024 | 0.3 | 0.6 | -0.3 | 0 | 0.1 |
| 10.04.2024 | 0.3 | 0.5 | -0.3 | 0 | 0.1 |
| 11.04.2024 | 0.3 | 0.5 | -0.2 | 0 | 0.1 |
| 12.04.2024 | 0.3 | 0.4 | -0.2 | 0 | 0.1 |
| 16.04.2024 | 0.3 | 0.5 | -0.2 | 0 | 0.1 |
| 18.04.2024 | 0.3 | 0.6 | -0.3 | 0 | 0.1 |
| 19.04.2024 | 0.3 | 0.5 | -0.2 | 0 | 0.1 |
| 23.04.2024 | 0.3 | 0.4 | -0.2 | 0 | 0.1 |
| 24.04.2024 | 0.3 | 0.4 | -0.2 | 0 | 0.1 |
| 26.04.2024 | 0.3 | 0.5 | -0.3 | 0 | 0.1 |

**BEI FRAGEN WENDEN SIE SICH BITTE AN UNSER KONTAKT CENTER**

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Mo-Fr von 9 bis 18 Uhr

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