# Portfolio overlap

## CCSO / HAPI

| Overlap | Shared positions |
|---|---|
| 0.54% | 3 |

## Carbon Collective Climate Solutions U.S. Equity ETF

Report dates 07/31/2024 | 99.49% NAV

Overlap / CCSO 9.74%

## Harbor Human Capital Factor US Large Cap ETF

Report dates 07/31/2024 | 99.71% NAV

Overlap / HAPI 0.54%

## Largest shared positions

| Security | CCSO | HAPI | Overlap |
|---|---|---|---|
| Quanta Services Inc | 4.52% | 0.22% | 0.22% |
| Steel Dynamics Inc | 2.57% | 0.21% | 0.21% |
| Lennox International Inc | 2.65% | 0.11% | 0.11% |

Weights are percentages of each fund's net assets. Shared weight is the sum of the smallest weight per matched common-stock class. Unmatched positions are excluded without renormalizing the weights.

# History







8 matched portfolio dates from 10/31/2022 to 07/31/2024. Both filings use the same portfolio date. The minimum matched share of net assets is 96.19%. The filing dates are 53–63 days after the portfolio dates. This is filing lag. The archive does not establish an exact intraday release time.

# Largest changes

04/30/2024 / 07/31/2024 -0.01 pp

| Security | Overlap 04/30/2024 | Overlap 07/31/2024 | Change (pp) |
|---|---|---|---|
| Lennox International Inc | 0.10% | 0.11% | +0.01 |
| Quanta Services Inc | 0.24% | 0.22% | -0.01 |
| Steel Dynamics Inc | 0.22% | 0.21% | -0.01 |
| All other shared classes | | | 0.00 |

# Sources and methodology

Weights are percentages of each fund's net assets. Shared weight is the sum of the smallest weight per matched common-stock class. Unmatched positions are excluded without renormalizing the weights.

nport-common-equity-v1

| Report dates | Weight (%) | Classes | CCSO · SEC | HAPI · SEC |
|---|---|---|---|---|
| 07/31/2024 | 0.54% | 3 | 0002000324-24-002796 | 0001752724-24-222682 |
| 04/30/2024 | 0.56% | 3 | 0002000324-24-001756 | 0001752724-24-150311 |
| 01/31/2024 | 0.68% | 3 | 0002000324-24-001056 | 0001752724-24-074944 |
| 10/31/2023 | 0.65% | 3 | 0002000324-24-000012 | 0001752724-23-290938 |
| 07/31/2023 | 0.71% | 3 | 0001387131-23-011643 | 0001752724-23-222402 |
| 04/30/2023 | 0.67% | 3 | 0001387131-23-007836 | 0001752724-23-139322 |
| 01/31/2023 | 0.35% | 2 | 0001387131-23-004200 | 0001752724-23-075628 |
| 10/31/2022 | 0.86% | 4 | 0001387131-22-012852 | 0001752724-22-297744 |