

## De-risking infrastructure investment





May, 2024 Rowan Parkhouse, Investment Director, CIP







# CIP's role in the global energy transition: Since its inception 10 years ago, CIP has established 11 dedicated renewable funds

CIP has reached key milestones, expanded into new markets and technologies, and raised some of the largest clean energy funds



**2012:** Establishment of CIP and CI I with PensionDanmark as sole investor and investments in UK



**2017-2018:** CI III with entry into APAC (offshore wind Taiwan) and expansion in Europe (Germany/Spain)



**2020:** CI IV (largest renewable fund amid global pandemic) with large global diversified investment portfolio



**2022:** CI ABF I with production of green gases and fuels amidst energy crisis and growing regulatory support

2012 2014-2016 2017-2018 2019 2020 2021 2022 2023



**2014-2016:** CI II, expansion of investor base, and entry into the US renewables market



**2019:** CI NMF I with entry into new attractive markets incl. India, Brazil, Vietnam, and Eastern Europe



**2021:** CI ETF I with market leading PtX portfolio decarbonizing hard to abate sectors



**2022:** CI GCF I with ability to provide project financing to clean energy developers

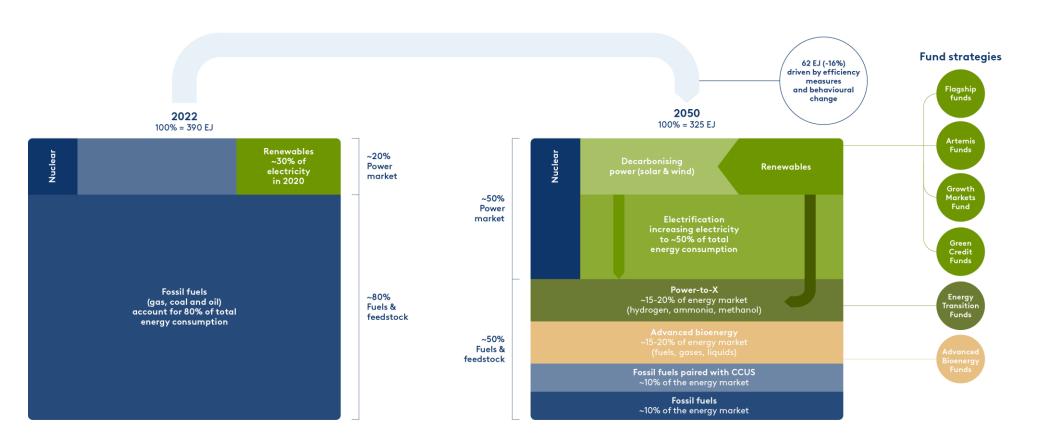


**2023:** With a Seed Portfolio of EUR +18bn and an attractive market opportunity, CI V reached first close at EUR 5.6bn on 30 June 2023

## CIP's distinct fund strategies tap into the main energy transition trends

CIP enables investors to contribute to the energy transition through decarbonisation of both the power and hard-to-abate sectors

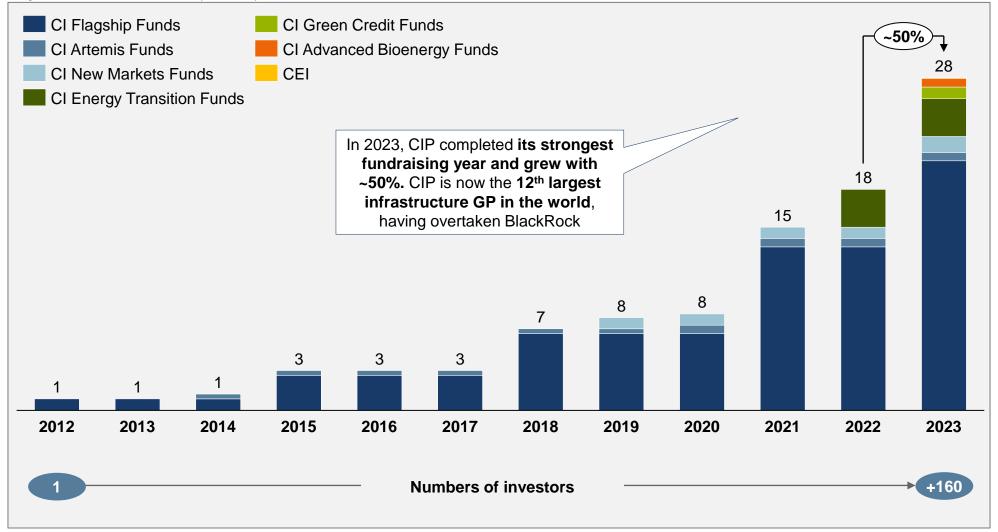
The energy transition to net zero from 2020 to 2050 (EJ)



## In 2023, CIP raised EUR ~10bn corresponding to ~50% growth

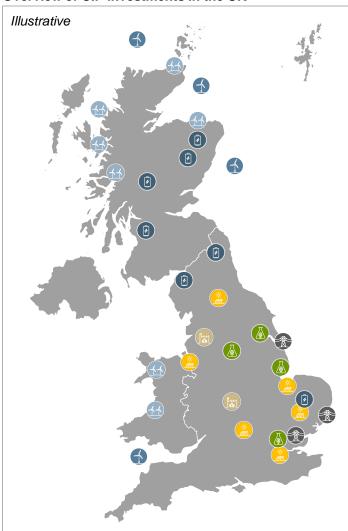
CIP grew with ~50% in 2023 and became the 12th largest infrastructure GP in the world

#### Capital raised 2012-2023 (EURbn)



## CIP has an +20GW portfolio of projects supporting in the UK

#### Overview of CIP investments in the UK1



CIP Project	Capacity	Stage
H Borea	273 MW	Divested
Hy Bute	2,200 MW	Development
<b>Beatrice</b>	588 MW	Divested
<b>Pentland</b>	100 MW	Development
Celtic Sea	1,500 MW	Upcoming auction
<b>Ossian</b>	3,600 MW	Development
Alcemi	4,300 MW	Development <sup>3</sup>
Elgin <sup>2</sup>	10,000 MW	Development
Slough	50 MW	Construction
Lostock	60 MW	Construction
Brigg	40 MW	Divested
Brite	42 MW	Divested
Snetterton	44 MW	Divested
<b>Kent</b>	28 MW	Operations
Tarchon	1,400 MW	Development
Cronos	1,400 MW	Development

#### Highlights of CIP in the UK



High priority market for CIP as UK is leading the energy transition on many fronts



+20 GW capacity in operations, construction and development stage currently in the UK across power generation, storage and transmission



Renewable power generation capacity across current CIP investments enough to power more than 9m British homes

### Reflecting on the past

CfD for renewables

What has worked well for UK energy infrastructure investment

#### **Principles** Detail · Strong commitment to the rule of law. Strong commitment to investor confidence, and avoidance of retro-active changes. Figure 6 - Electricity demand sources Rule of law • UK is 3<sup>rd</sup> largest power market in Europe. • Demand set to increase from ~300TWh today to 600-800 TWh by 2050. · · · · No reductions Market size Reductions at technical potential Reductions at reference level Source: Internal DESNZ analysis (2024) Climate Change Act 2008 sets legally binding requirement for UK economy to Figure 1 The recommended Sixth Carbon Budget decarbonise · High political consensus for mitigation of climate change **Decarbonisation** · Cost reduction in Renewables, means decarbonisation full aligned with affordability policy objectives IAS including · Since NETA inception in 2001, UK power markets have remains relatively stable in their structure. Stable market • Previous regulatory reform packages (e.g. EMR) were progressed on an iterative basis. Regulatory change typically extensively consulted upon with industry, with adequate lead times. • 2 way CfD structure offers good revenue securitisation. Indexation support helps further.

• Private law contract offers comfort against Regulatory/Political risk.

gained familiarity and comfort since 2014 inception.

· Although CfD Allocation Framework and Contract terms are complex, Investors have

Past carbon budgets

Historical emissions

schulare and the second of the justments to carbon budgets 4-5 based on IAS emissions under the Balanced Net Zero Path

## Looking to the future

m package

Examining the UK's R	
Principles	Detail of r
Evolution, not revolution	Avoid to and for integral
Whole system cost	• Pursue The pu system credible
Generation	Minimis acknow foremo

#### recommendations

the more radical reform options currently under REMA consideration, cus on the incremental change - enhancement, and improved ation, of existing market arrangement.

#### **Policy**

- · Do not progress zonal pricing reforms:
- · Keep National Pricing regime, but iteratively enhance existing policy structures.
- e a whole system approach to electricity market arrangement reform. ursuit of enhancement of any one substituent element of the overall n should take full cognisance of wider system impacts, on the basis of le and robust quantitative evidence.
- Address System Operation challenges (e.g. Grid Congestion, Dispatch efficiency), whilst keeping cost of capital low for generation investment.

Investment efficiency

- isation of **cost of capital for generation investment** should be wledged by policy makers as "top of the policy hierarchy", the ost single contributor to whole system cost minimisation, and a leading determinant of policy trade-offs.
- Enhance CfD allocation framework:
- Speed up networks & planning approvals;
- More predictable network charging.

support of flexibility;

• "Picking winners" is increasingly risky - Increasing system complexity, increasing rates of decentralisation, and accelerating rates of technology innovation means policy makers should pursue enhanced interoperability of parallel energy markets (inc. for Power, Capacity, System services), on an

 Standardise Ancillary Services across local/national levels;

Expand the Capacity Market for

 Enable co-location of hybrid assets.

· Robust grandfathering rights to

Safequarding investor

Adaptability

confidence

- Where reform is required, substantive and well designed grandfathering rights must be developed for historic investments.
- Investors of the past, will play an important role in future investment.

open access, technology neutral, basis.

cover all major reforms.