### GENERATE

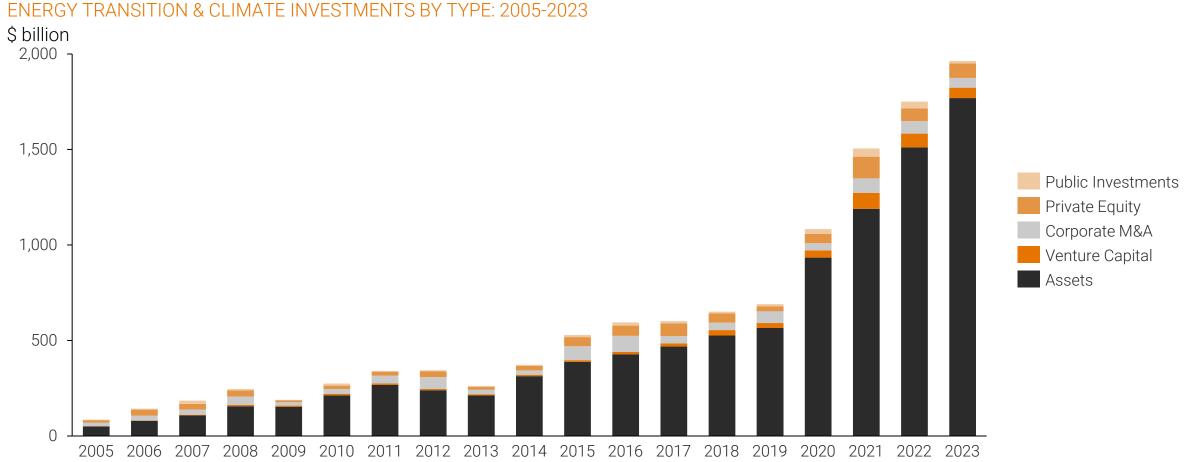
### The Infrastructure Imperative: The Road to 2030

October 2024

Logan Goldie-Scot

### Climate is a physical problem that requires physical solutions

The bulk of Climate investment to date has gone to deploying low-carbon technologies, such as wind, solar, energy storage and electric vehicles.

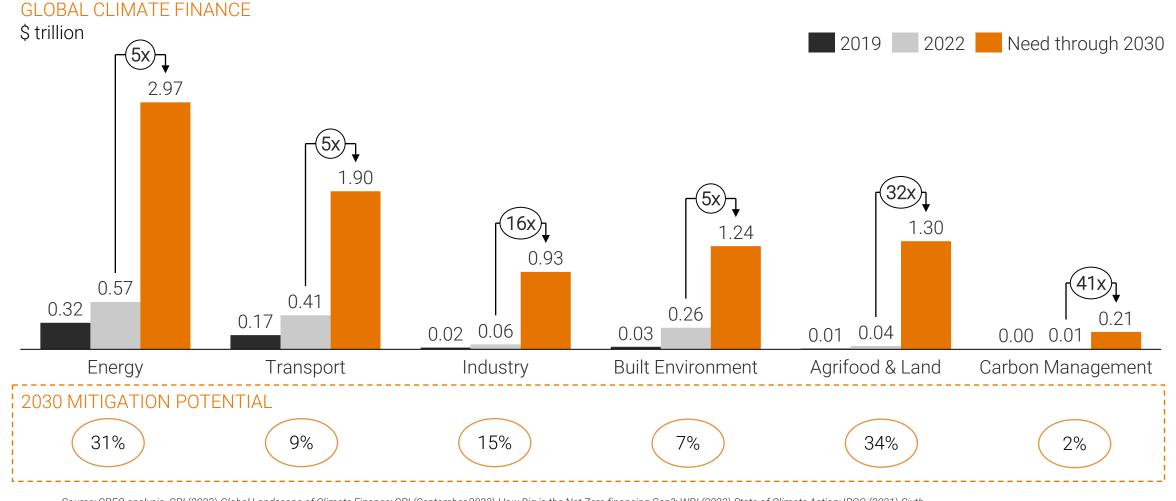


2 Source: BloombergNEF for asset level data. Pitchbook for VC, Corporate and Strategic M&A, Private Equity and public investments data. Pitchbook data based on completed deals across these deal types in the Climate and CleanTech verticals. Assets figure excludes supply chain investments.

# Annual energy transition spend needs to increase dramatically between now and 2030 to achieve our climate goals

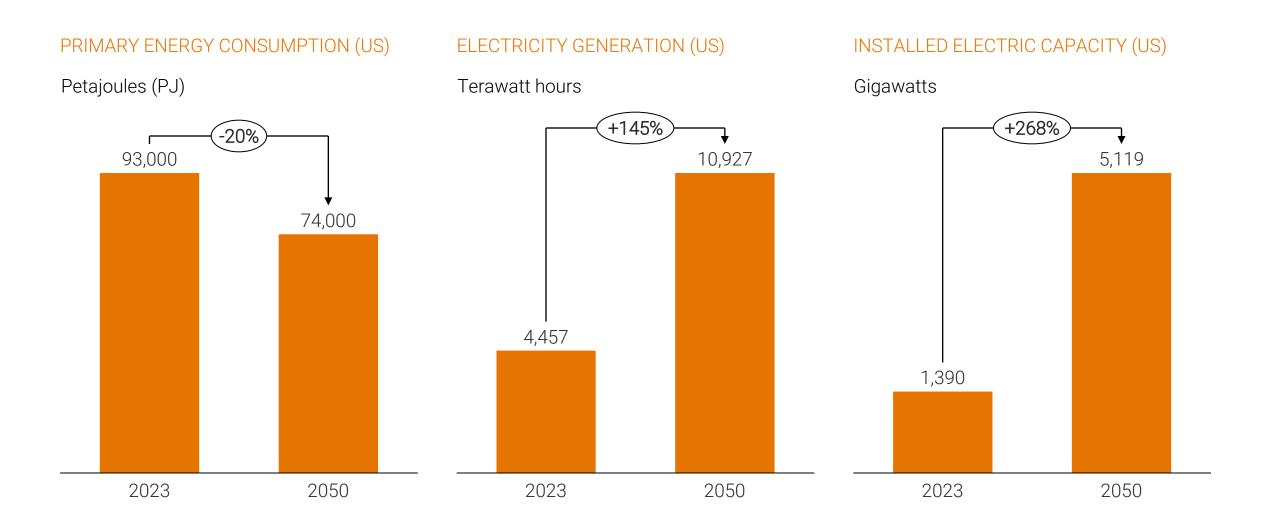
Needs and opportunities differ considerably by sector, and by geography.

3



Source: CREO analysis, CPI (2023) Global Landscape of Climate Finance; CPI (September 2023) How Big is the Net Zero financing Gap?; WRI (2023) State of Climate Action; IPCC (2021) Sixth Assessment Report; BloombergNEF (2023) Energy Transition Investment; CPI (2023) Landscape of Climate Finance in Agrifood Systems. Note: Excludes an estimated additional \$212bn in adaptation finance needed by developing countries up to 2030 (CPI); Excludes Waste & Wastewater; Carbon management refers to carbon removals and negative emissions (e.g., CCUS, DACS, BECCS); Given the multiple sources and lack of harmonized methodologies, the data can only be indicative of the size and pattern of investment gaps.

A net-zero system looks very different to today's: widespread electrification results in less primary energy, but more power demand

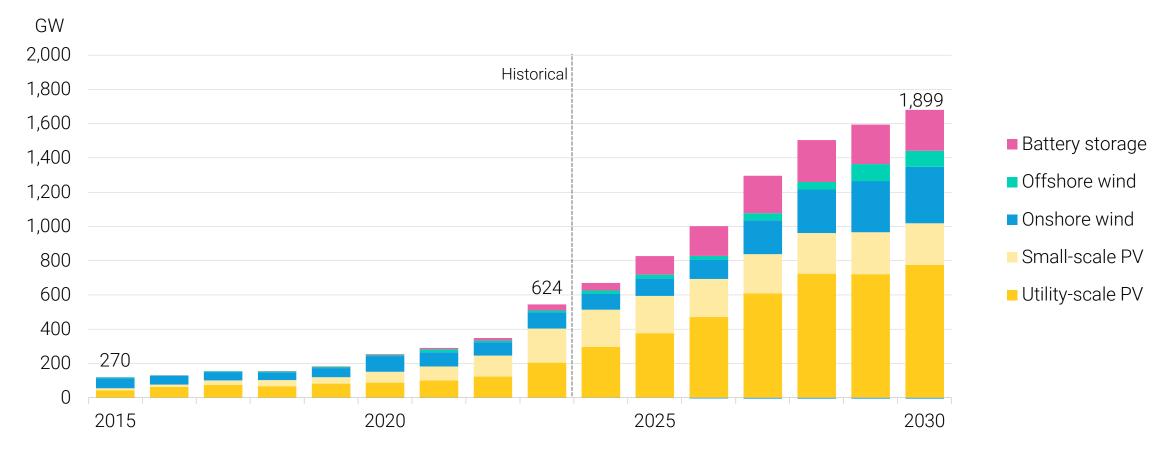


#### 4 Source: BloomberNEF 2024 New Energy Outlook

# To meet this electricity demand, investment in commercially proven technologies such as wind and solar needs to continue to grow

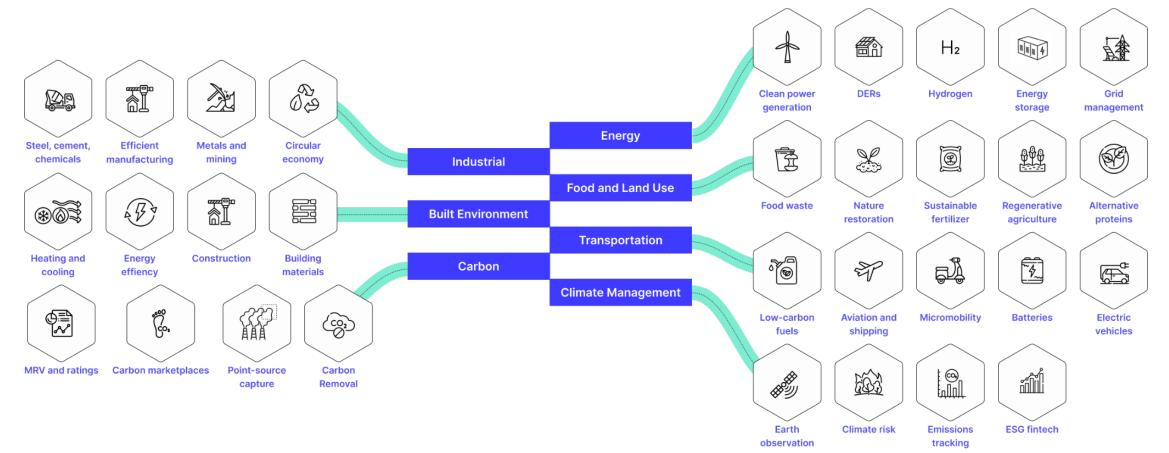
Core infrastructure investors can focus on opportunities across wind, solar and other more established low carbon technologies. Roughly two thirds of global CO2 emissions reductions by 2050 could come from commercially mature or early market stage technologies.

GLOBAL ELECTRIC CAPACITY ADDITIONS IN NET-ZERO SCENARIO



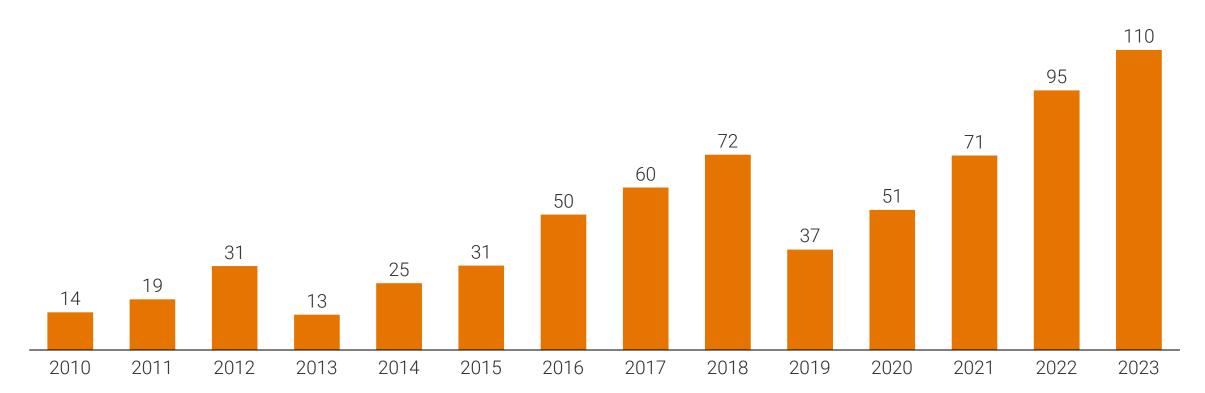
Economy-wide decarbonization will also require different types of capital, in sectors at different stages of maturity

#### SELECTION OF 31 OUT OF 60 SECTORS IDENTIFIED BY SIGHTLINE CLIMATE ACROSS 7 CORE INDUSTRIES



### Climate funds raised a record amount of capital in 2023

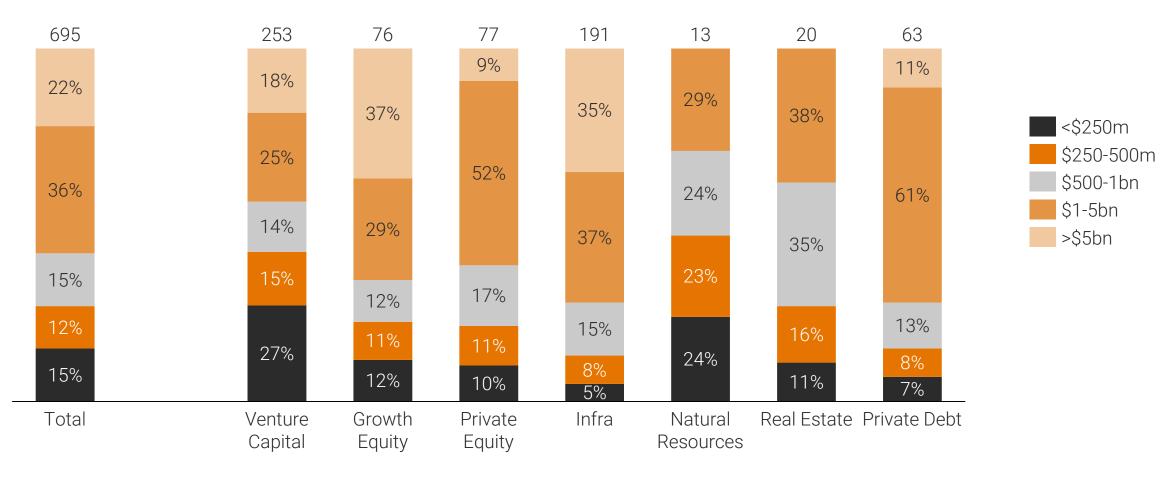
CLIMATE CAPITAL RAISED (\$ BILLION)



# Large (>\$1B) funds dominate the capital raised within the climate sector

Infrastructure capital is overlooking the attractiveness of the middle-market

#### CLIMATE CAPITAL RAISED BY FUND TYPE AND SIZE FROM 2010-2023 (\$B)







9

GPs are raising significantly larger funds and have moved away from the middle market Number of closed funds investing more than \$5B globally increased from 11 to 52 (372% increase) in the past decade<sup>1</sup>





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The focus on decarbonization is leading to smaller, distributed assets, resulting in robust deal flow in the middle market ~95% of global infrastructure transactions in 2023 were middle market transactions<sup>2</sup>





11

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Technology costs have decreased over time and with scale, driving down asset values and enhancing unit economics Costs of LEDs, batteries, solar, wind, fuel cells have come down by ~75-95% over the decade<sup>3</sup>





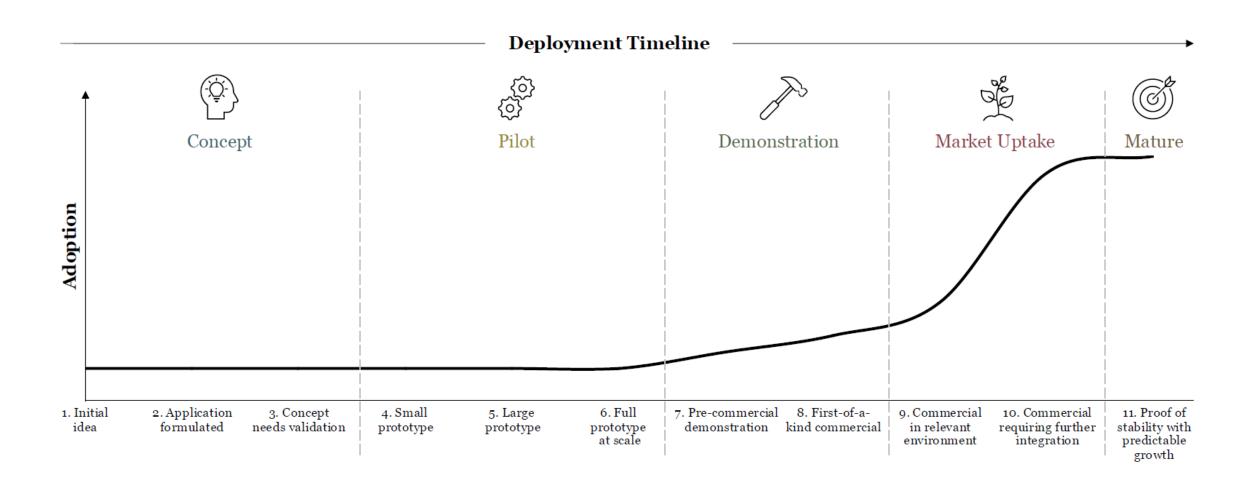
12

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Middle-market infrastructure transactions provide superior risk-adjusted returns vs. large-cap transactions Middle-market funds relative to large-cap funds have delivered between 150 and 250 basis points of better return on a risk-adjusted basis<sup>4</sup> Family offices can also play a key role by bridging today's funding gap and opening new technologies and markets to traditional capital

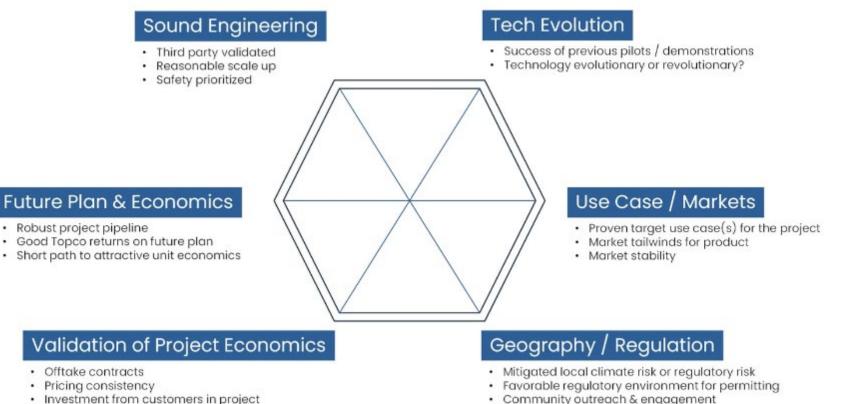


Successfully investing in FOAK projects requires the right partner who can assess its technology, business model, unit economics and operational challenges

ASSESSMENT OF FOAK READINESS

Source: Deanna Zhang

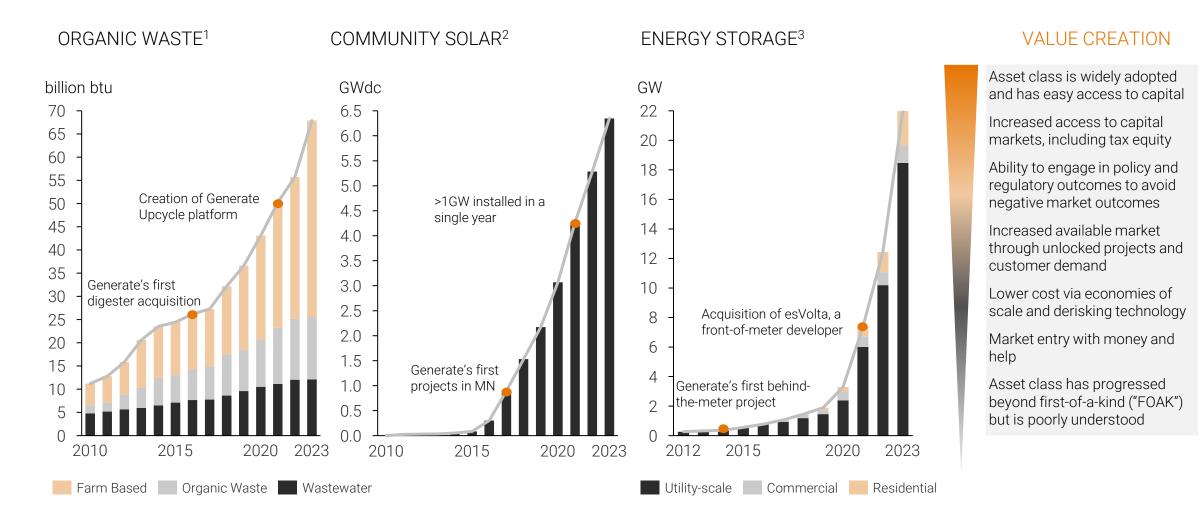
14



- Vendor contracts

### Since 2014 Generate has helped take many new asset classes of sustainable infrastructure from niche to mainstream

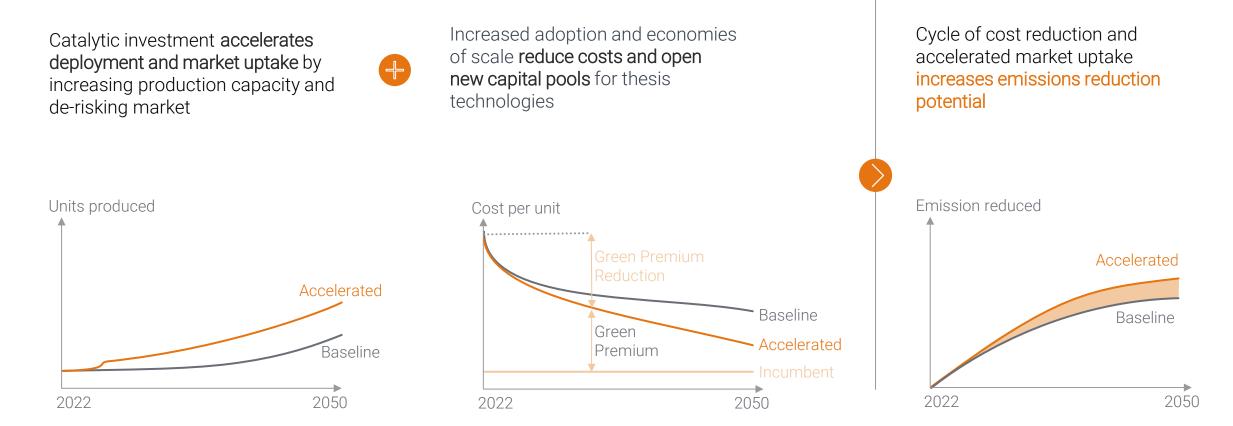
To successfully navigate the "missing middle" and to take the risks that others cannot you need large, dedicated and specialized capabilities



### Investors need new ways to measure impact

Snapshot-in-time emissions reductions are not the best fit for the private capital markets since they have more ability to be flexible and take on risk than the public markets. Private capital can focus on using investments to create long-term markets that drive deep decarbonization.

EXAMPLE OF A CATALTYIC EMISSIONS IMPACT FRAMEWORK



16 Source: Generate Capital

### GENERATE

#### LET'S REBUILD THE WORLD TOGETHER