

September 11<sup>th</sup>, 2025





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# Risk factors & suitability considerations

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# Risk factors & suitability considerations

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# **Table of contents**

1	Infrastructure Need
2	Thematic Approach
3	Power Deep-Dive
4	Case Studies



## What is infrastructure?

The physical and organizational systems, facilities and structures necessary to operate a society

Forms the backbone of a region's/ nation's essential services and activities, which are required for sustainable economic, industrial, and social growth

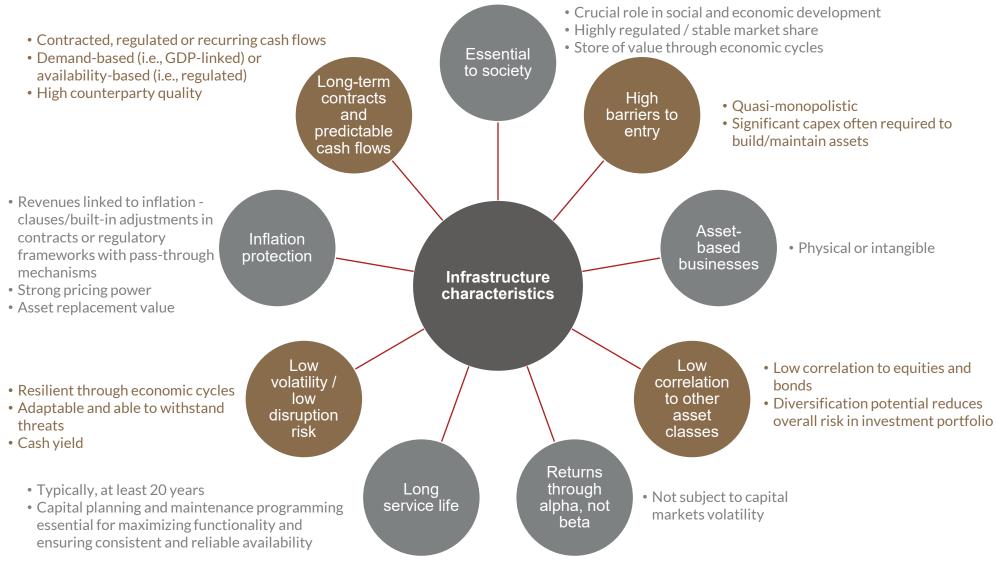
Long-lived assets which are difficult to replicate

Requires significant investment; governments, private capital investors, and public private partnerships (PPPs) are involved in financing, developing, and maintaining infrastructure projects





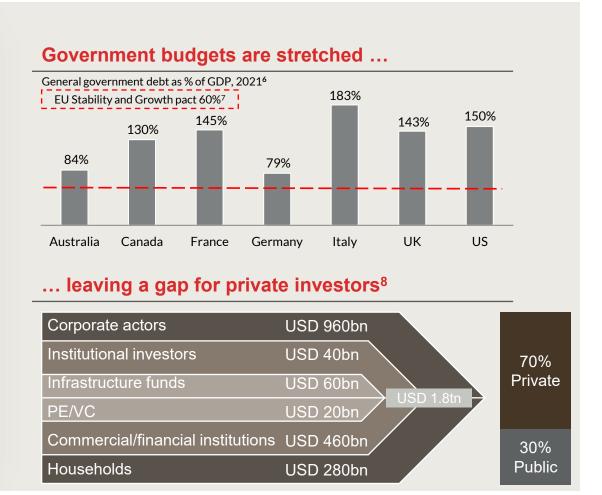
# Defining characteristics and benefits of infrastructure



Infrastructure Need

## **Infrastructure Market**

## 2022-2040: USD 95tn of infra investment needed<sup>1</sup> 28tn 9tn 8tn 50tn Water Energy **Transport** Communications +60% 3x 6x **40tn** USD p.a. km travelled data demand wind capacity investment3 by 2040<sup>4</sup> increase<sup>5</sup> bv 2050<sup>2</sup>





# **Examples of infrastructure sectors**

## **Communications**

- Fiber cables
- Towers
- Data centers



## **Power (renewables)**

- Wind farms
- Solar powers
- Hydro power



#### Low carbon fuels

- Biomass
- Geothermal
- Natural gas



## **Transportation**

- Trains
- Ports
- Airport terminals



## **Energy infrastructure**

- Transmission
- Distribution
- Storage



#### Water

- Water management
- Desalination plants
- Wastewater systems



#### Social

- Healthcare
- Education
- PPPs



#### **Waste**

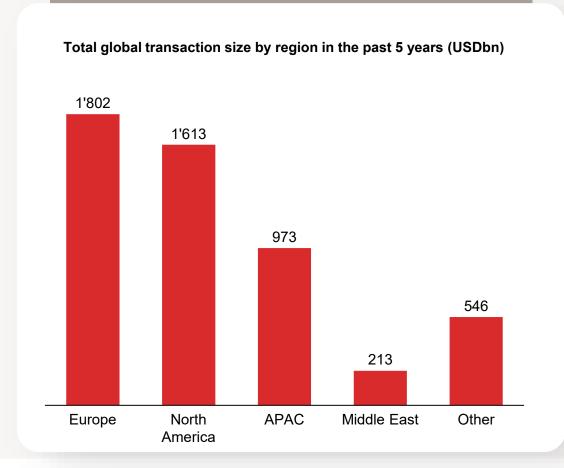
- Recycling plants
- Waste treatment facilities
- Disposal facilities



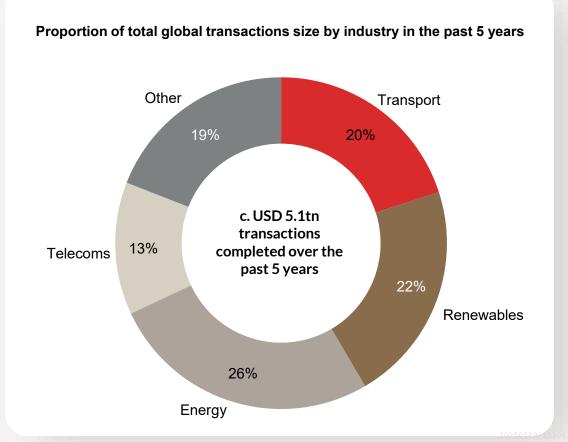


# Infrastructure investment activity by region and sector

Europe and North America have the highest investment activity, followed by APAC

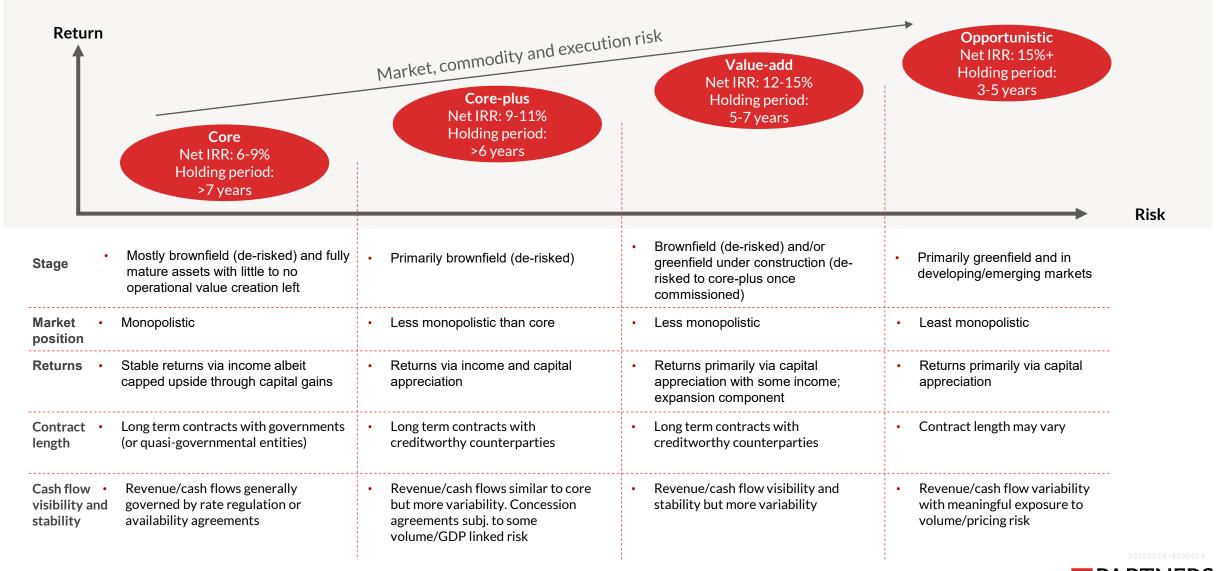


Energy and renewables sectors comprise about 50% of all investment activity





# Infrastructure risk/return categories





# **Table of contents**

1	Infrastructure Need
2	Thematic Approach
3	Power Deep-Dive
4	Case Studies



# Three pillar approach to transformational investing

	Decarbonization & sustainability					New living			Digitization & automation	
Thematic	Building the next generation of low-carbon infrastructure				Adapting infrastructure to shifting consumer demands			Improving data connectivity		
investing			~	2				((1))	Ē,	
	Clean power	Low carbon fuels	Carbon management	Circular economy	New mobility	Social infrastructure	Critical supply chain	Data transmission	Data storage	
	- ·			1	Alignment wit	th thematic co	nvictions			
	Business model			2	Asset-based business (physical or intangible) Essential products/ services					
Infrastructure				3						
characteristics	Long-term cash flow			4	Contracted, r	egulated or re	ecurring cash	flows		
screen				5	High and stable market share or regulated					
	visibility and stability		6	High barriers	to entry					
				7	Low disruptio	n risk				
Value creation		Platfo buildi			Operatio improvem		Susta	ainability		

## Disciplined investment strategy seeking to generate attractive risk-adjusted returns

Source: Partners Group (2025). For illustrative purposes only. Thematic Investing has its own risks and challenges. There is no assurance that the three-pillar approach will always materialize. Risk-adjusted return refers to an investment's return by measuring how much risk is taken in producing that return. Although ESG factors may be considered throughout the investment decision process, it should be noted that ESG is not the predominant strategy of this fund. The term "transformational" may be conceptual and change over time. The concept of "transformational investing" is subject to different interpretations and may vary.

Strictly confidential



# High conviction themes supported by significant growth

## **Decarbonization &** sustainability



Clean power



6x wind capacity by 2050<sup>1</sup>



Strictly confidential



Low carbon fuels



-50%  $CO_2$ emissions<sup>2</sup>





Carbon management



c.10% global CO<sub>2</sub> reduction<sup>3</sup>





Circular economy



4.5tn USD opportunity<sup>4</sup>



## New living



New mobility



+60% km travelled by 2040<sup>5</sup>



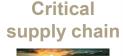


Social infrastructure



11tn USD opportunity<sup>6</sup>







CAGR over 2022-20277



## **Digitization &** automation



Data transmission



3x data demand increase8





Data storage



c.16% CAGR over 2023-20329

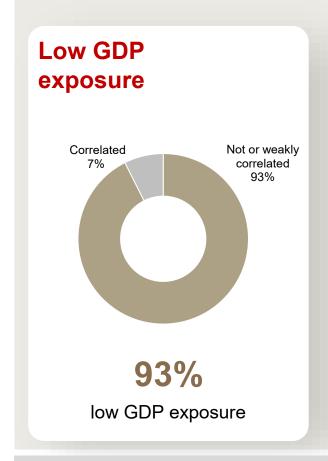


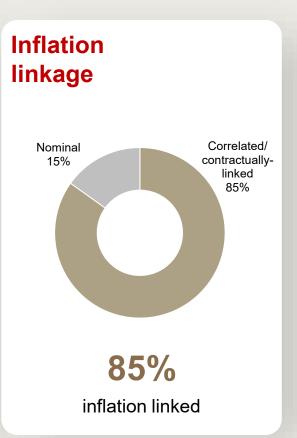
## Infrastructure is an established investment opportunity with USD 95tn of global investment needed<sup>10</sup>

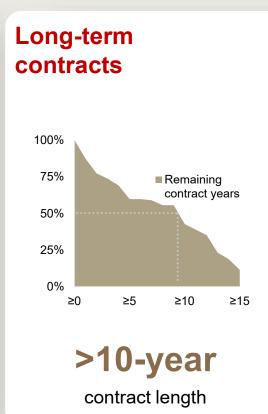
Source: Partners Group (2025). For illustrative purposes only. There is no assurance that similar investments will be made. There is no assurance similar results will be achieved. There is no assurance that the above will materialize. Selected investments represent a sample of Private infrastructure investments that Partners Group made on behalf of its investors. The examples shown represent transactions made between 2021-2022 and may be part of several PE/Debt/Infra/RE and open-ended products, managed by Partners Group. 1 Source: Wind and solar growth; Bloomberg New Energy Finance - Outlook 2020. 2 Source: Intergovernmental Panel on Climate Change, Goldman Sachs. 3 Source: International Energy Agency. 4 Source: Accenture Strategy publication, Waste to Wealth. 5 Source: Annual figures in trillion. c. 15th kilometers in 2020 vs c. 24th in 2040. BNEF report 2021. 6 Sourced from: urbanization; McKinsey - The next normal in construction, 2020. 7 https://www.bcg.com/publications/2023/winning-formulas-for-e-commerce-growth. 8 Source: AV&Co, Cisco. Growth from 2020 to 2028. 9 Cumulative global data center deployment by "Big Four", Source: EY-Parthenon (2023). "Big Four" includes demand from Microsoft, Google, Amazon, and Meta. 10 Source: Global Infrastructure Outlook (https://outlook.gihub.org/). Split by sector: Water USD 8tn, Transport USD 50tn, Telecom USD 9tn, Energy USD 28tn. Rationale: examples reflects recent investment in a company benefitting from transformative trends in sub-sectors with high relative value attractiveness.

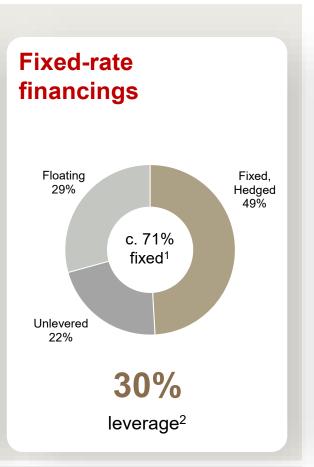


# Infrastructure provides robust downside mitigation









c. 85% inflation linkage, >10-year contracts, and only c. 30% leverage provide robust downside mitigation

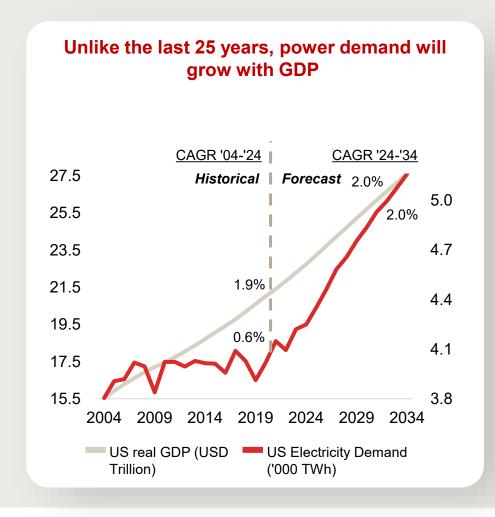


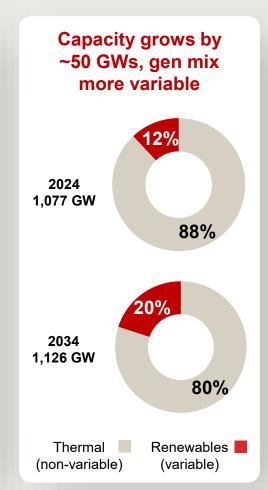
# **Table of contents**

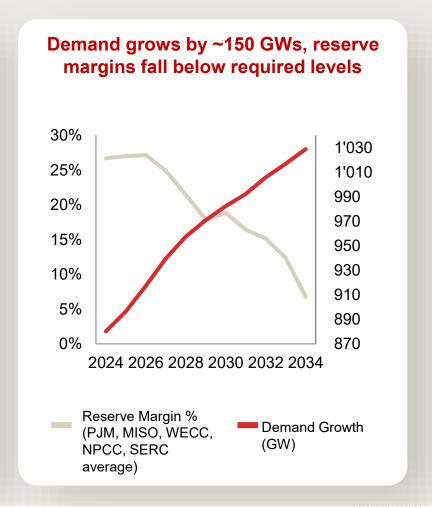
1	Infrastructure Need
2	Thematic Approach
3	Power Deep-Dive



# The era of flat power demand is behind us





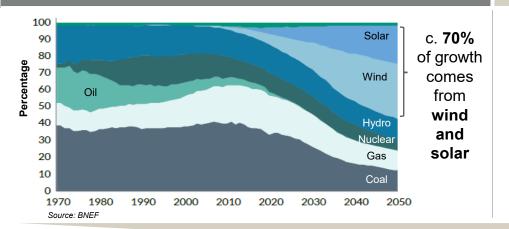


Sources: Partners Group (2025), Energy Information Administration, Federal Reserve Bank of St. Louis, US Federal Energy Regulatory Commission (FERC), North American Electric Reliability Corporation (NERC). For illustrative purposes only. Actual events and figures may differ and may vary significantly.

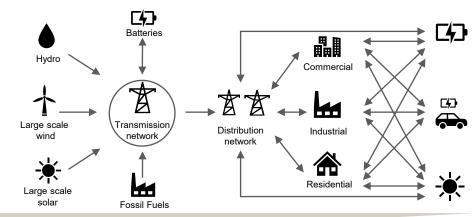


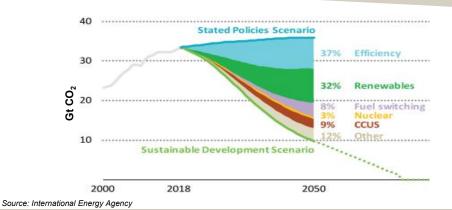
# Decarbonization is one of the key global challenges for the coming decades





#### Increasing complexity and blackouts



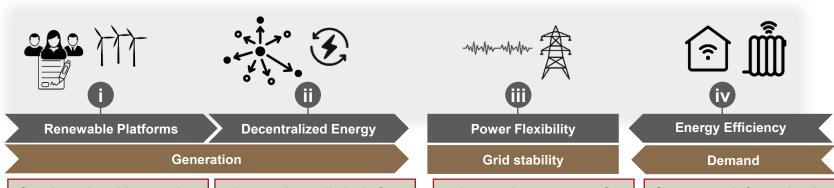


- >USD 3tn annual investment required globally by 2050 to meet goals
- Increasing challenges to integrate intermittent renewables and maintain power supply reliability
- **Carbon management** to become a major contributor to achieve the net zero target, estimated to drive **c. 9%** of global CO<sub>2</sub> reduction

Significant investment needed across Infrastructure technologies



# Clean Power: Where to invest across the thematic landscape?



Trend

Continued and increasing tailwinds for renewable energy sources

US\$ 5.6 trn into renewable power projects globally to meet Net Zero by 2050 Increasing tailwinds for local and decentralized energy sources

Renewable (decentralized) energy to account for at least 40% of EU energy mix in 2030

Acquisition of seed portfolios with (a) opportunity for inorganic growth and (b) decarbonization of feedstock sources

Increasing amount of intermittency requires flexible grid

Global battery storage capacity to grow ~22% CAGR to 2030 and reach ~1,700 GW by 2050 Strong push for reduction of consumption

2030 EU Energy Efficiency target of 32.5%

**Opportunity** 

Development platforms absorbing diversified development risk across technology, geography and maturity of project

Large opportunity in select jurisdictions to develop core infrastructure

Energy as a Service (EaaS) model reducing (large) customers' energy bill

Portfolio Companies



















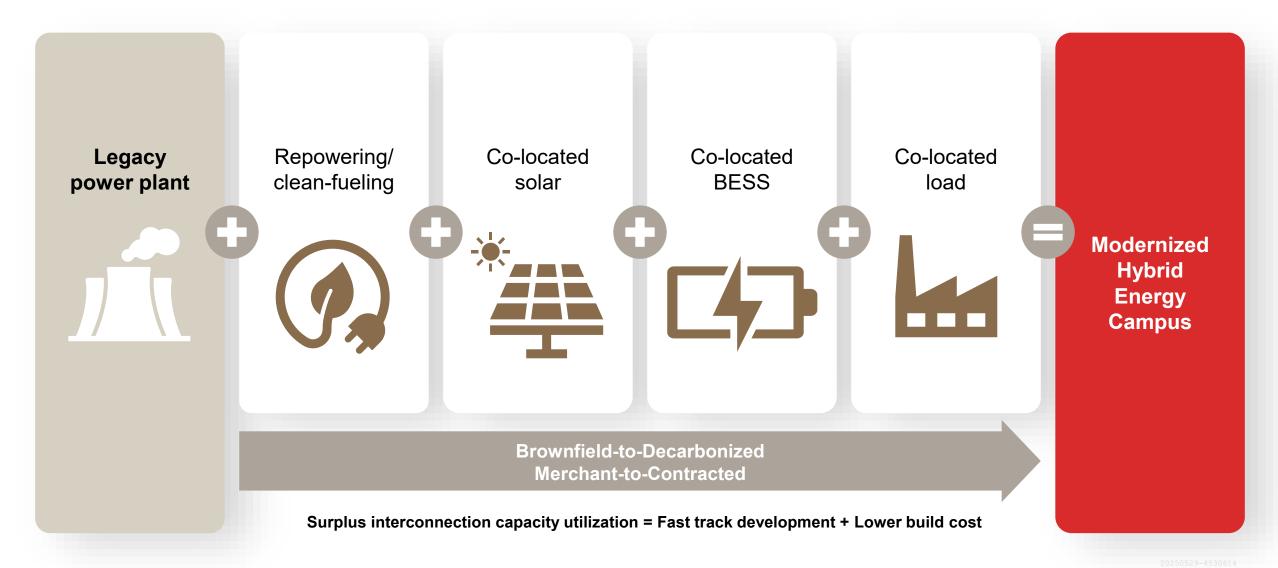


# **Table of contents**

1	Infrastructure Need
2	Thematic Approach
3	Power Deep-Dive
4	Case Studies



# Legacy power sites are essential anchors for energy transition infrastructure





# Middle River Power: Powering and transitioning California's grid



#### AT A GLANCE







PG Direct Infrastructure IV

Middle River Power ("MRP") is a leading energy-transition focused independent power producer (IPP)

MRP owns and operates a portfolio of c. 2 GWs of natural gas-fired power plants in California, with >1 GW of co-located battery storage assets in construction or advanced development

Pioneering strategy that leverages surplus interconnection to hybridize legacy power sites through the buildout of co-located battery energy storage

Strategic location of assets support transformation via on-site development and co-location of generation and load

Enables energy transition in California while providing cost effective grid reliability

Jun-2025 Entry Up to 15 yrs Contract length¹

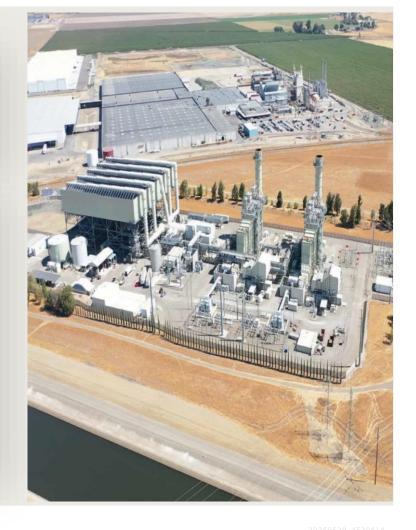
**2 GW** Operating power plants

# INFRASTRUCTURE CHARACTERISTICS

**Strong cash flow visibility:** Hybrid Energy Centers fully contracted for up to 15 years.

High barriers to entry: Long interconnection queues, siting and permitting constraints, and capex intensity. (No new natural gas plants constructed in California since 2016)

Business with large asset base: 11 natural gas-fired power plants with 10 colocated battery storage sites with >25-year asset life

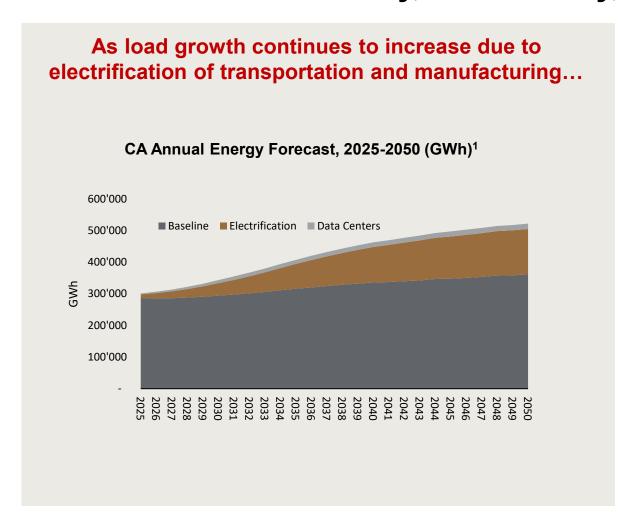


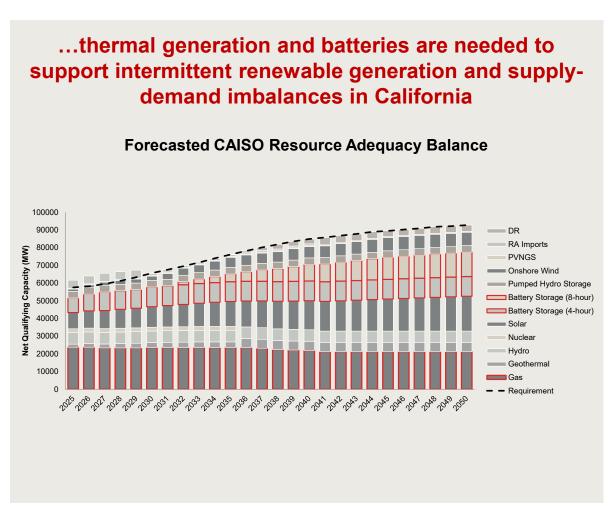


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# California needs flexible and dispatchable energy solutions to balance the need for sustainability, affordability, and reliability







Source: Partners Group (2025). For illustrative purposes only. **1** E3. Investors should bear in mind that past performance is not indicative of future results. Certain information contained herein constitutes forward-looking statements. Due to various risks and uncertainties, actual events or results or actual performance of a fund may differ materially from those reflected or contemplated in such forward-looking statements. Rationale: Asset represents the latest investment in North American renewable energy infrastructure. Selected investments represent a sample of Infra investments that Partners Group made on behalf of its investors. The examples shown represent transactions made in 2025 and may be part of several Infra and open-ended products, managed by Partners Group.



# Budderfly: expansion of a leading US energy efficiency business #BUDDERFLY



#### AT A GLANCE







**PG Direct** Infrastructure III

> 1.9xgTVPI1

36.5% gIRR1

Leading Energy as a Service (EaaS) solutions provider in the United States, focused on commercial & industrial customers

Customers experience cost savings through reduced energy consumption at no upfront cost

Budderfly funds 100% of capex needed to install solutions and splits cost savings with the customer

Expansion potential into renewable generation, battery storage, micro grids and other gas/ water utilities

Jul-2022 Dec-2024 entry current

c. 2.750 Customer sites >7.100

revenue CAGR c. 80% since entry<sup>1</sup>

avg. energy savings c. 23% at fully installed sites1

#### **INFRASTRUCTURE CHARACTERISTICS**

**Recurring cash flows:** 10-15 year average contracts with automatic renewals

High barriers to entry: few established players with Budderfly rapidly scaling via a growing customer base

Essential services: service to C&I customers needing to rapidly optimize energy consumption



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