

# The next generation of decarbonization infrastructure

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Five takeaways from  
Partners Group's latest  
Infrastructure Thematic  
Research



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REALIZING POTENTIAL IN PRIVATE MARKETS



# 1.

## Decarbonization investment needs are immense

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**USD 48 trillion** of decarbonization infrastructure investment needed by 2040 to meet Paris Agreement objectives.

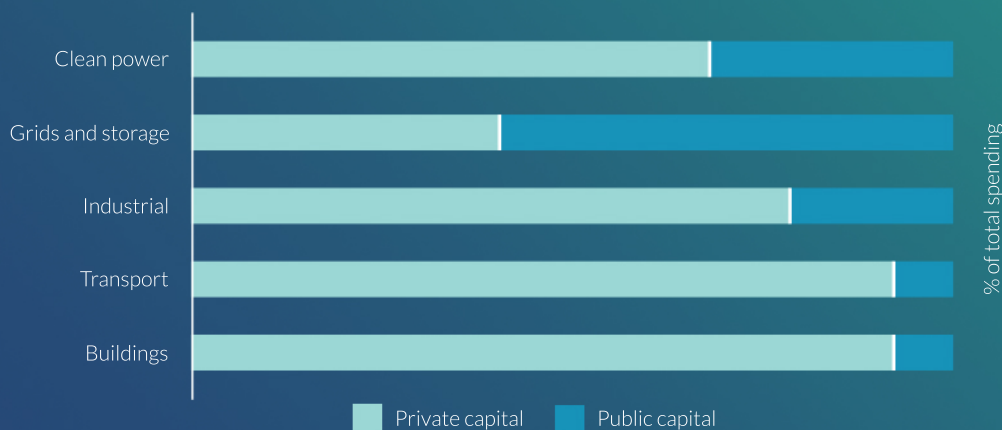


# 2.

## Public spending alone will not cover the investment needs

Over 70% of decarbonization capital will need to come from private investors.

Decarbonization investment between 2025 and 2030



Source: International Energy Agency (2020).

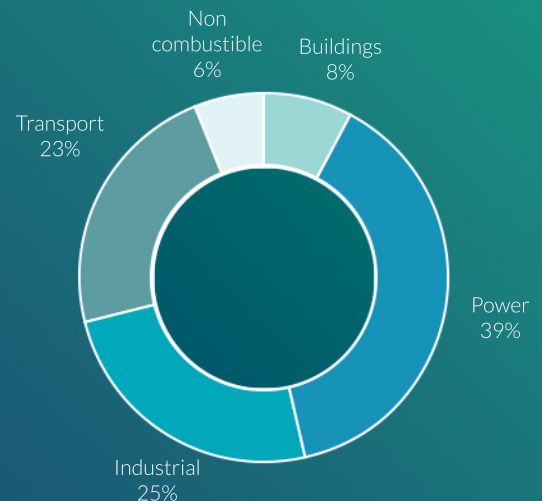
# 3.

## The causes of climate change are broader than the power sector

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The power sector only accounts for around 39% of the global CO<sub>2</sub> emissions responsible for climate change.

Carbon Dioxide Sources 37 Gt CO<sub>2</sub>





# 4.

## Decarbonization is about far more than renewables

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Replacement, conservation, and carbon management solutions will all play a critical role in addressing 'hard to abate' emissions.



# 5.

## A closed loop carbon economy is the future

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To reach net zero carbon goals over the next three decades, society will have to work to reduce overall emissions and develop a closed loop carbon economy that makes use of converted CO<sub>2</sub> for the remaining unabatable emissions.







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Read the full research paper  
[partnersgroup.com/research](https://partnersgroup.com/research)