



Key trends and issues facing the Irish energy sector over the next decade

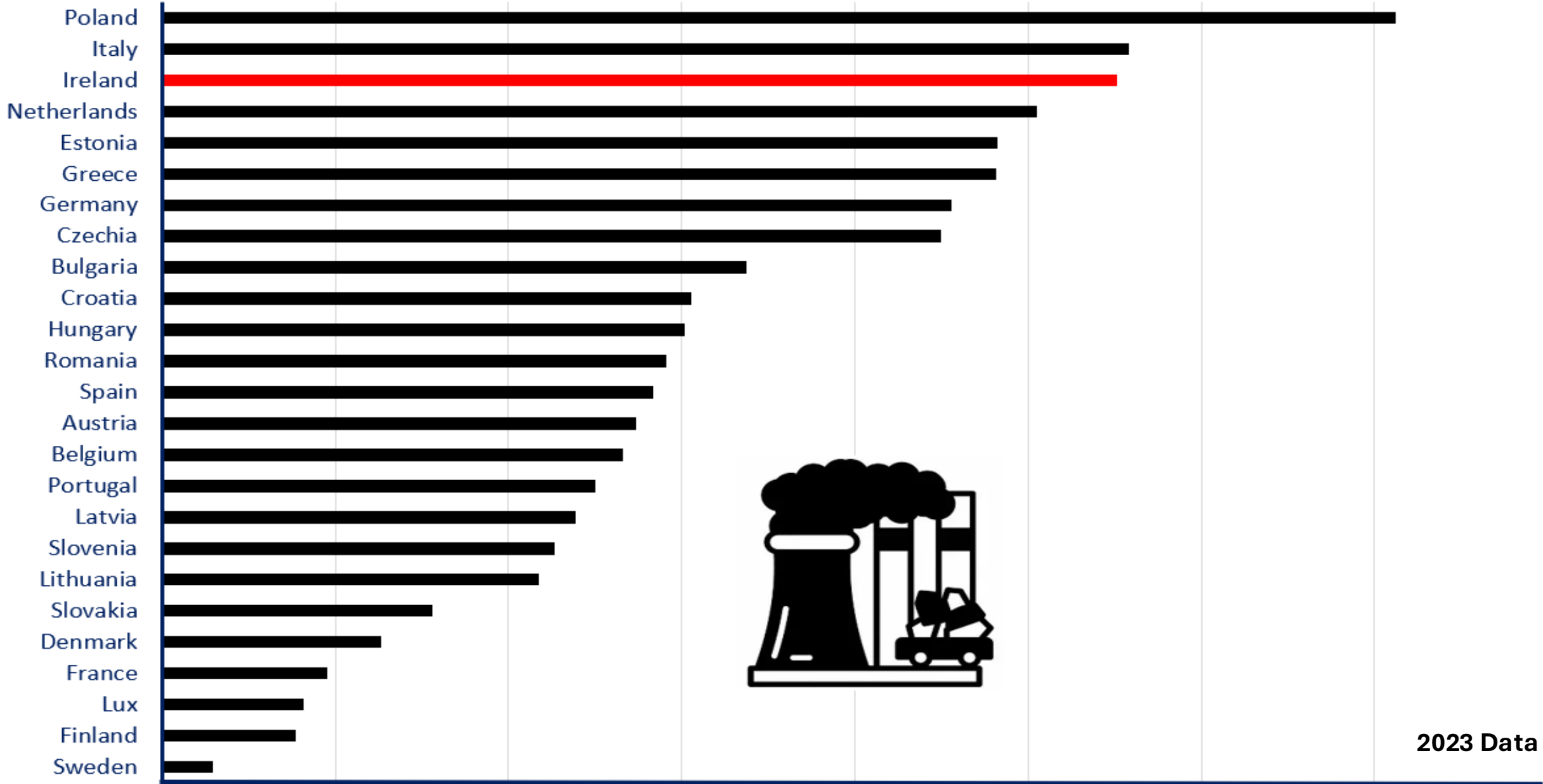
Paul Deane-Energy Ireland 2026



Affordability + Security

% of Fossil Fuels in Electricity Generation

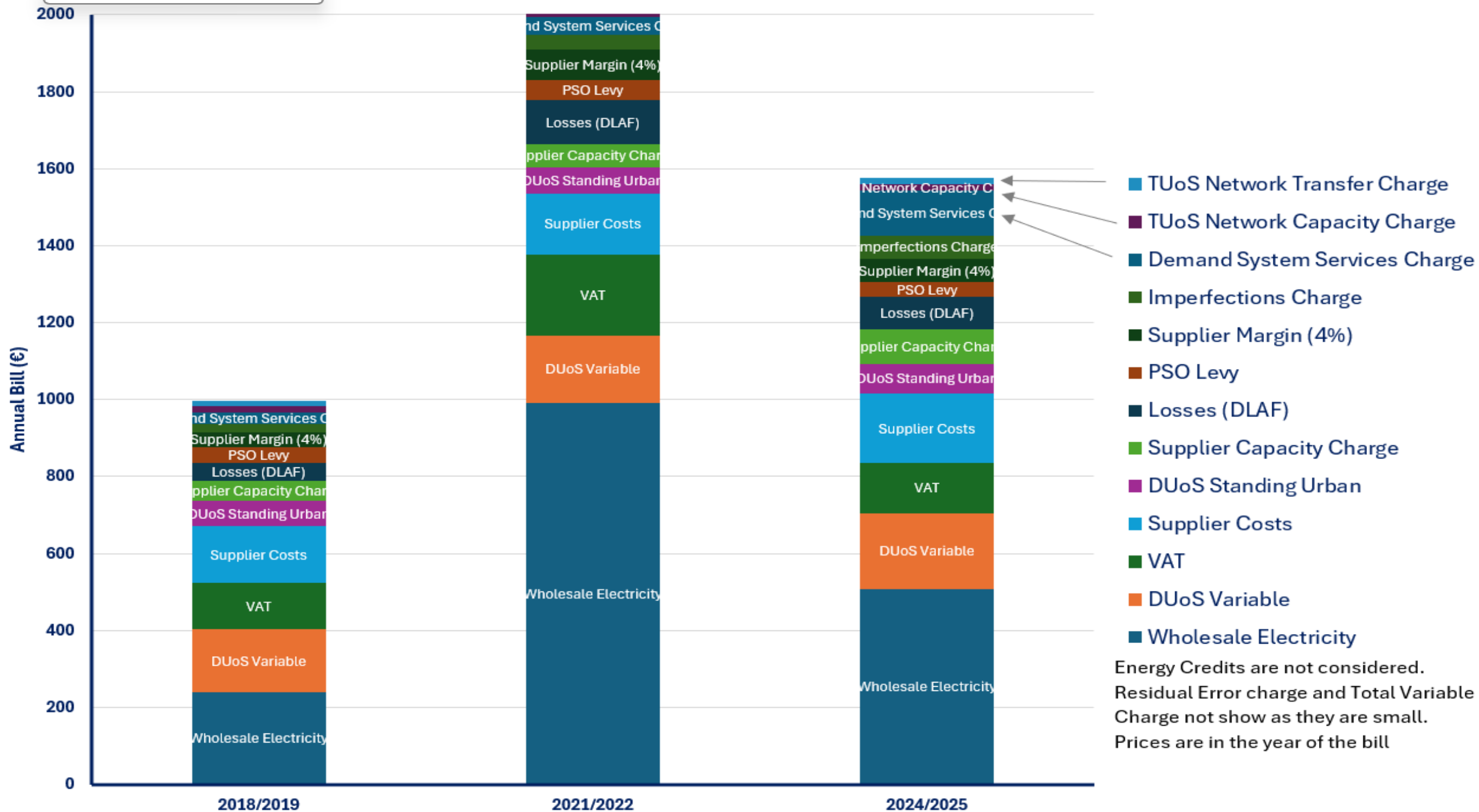
0% 10% 20% 30% 40% 50% 60% 70% 80%



2023 Data

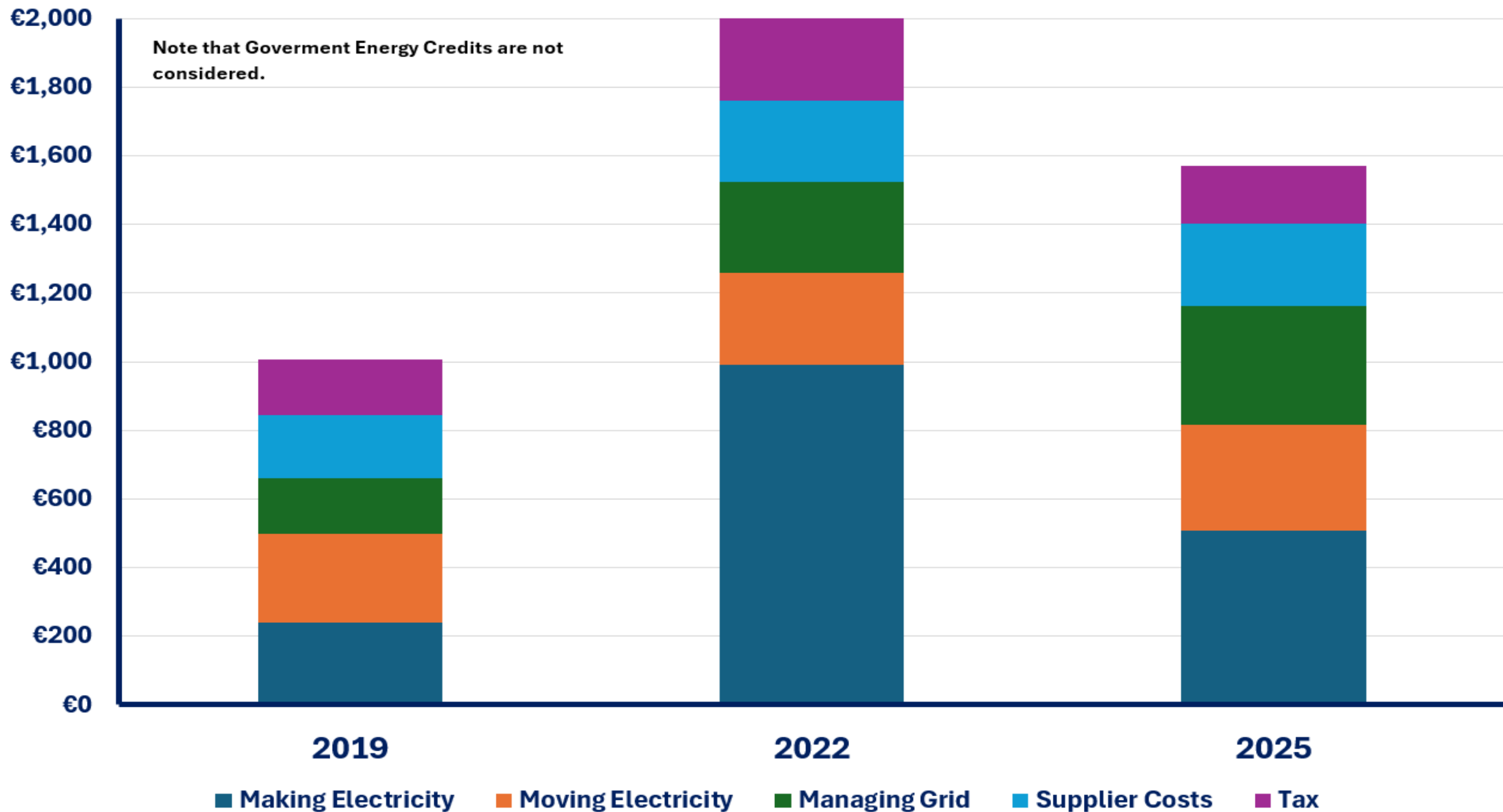
The Wholesale Electricity Price is not the same as your Electricity Bill

Core Elements in an Annual Urban Domestic Electricity Bill

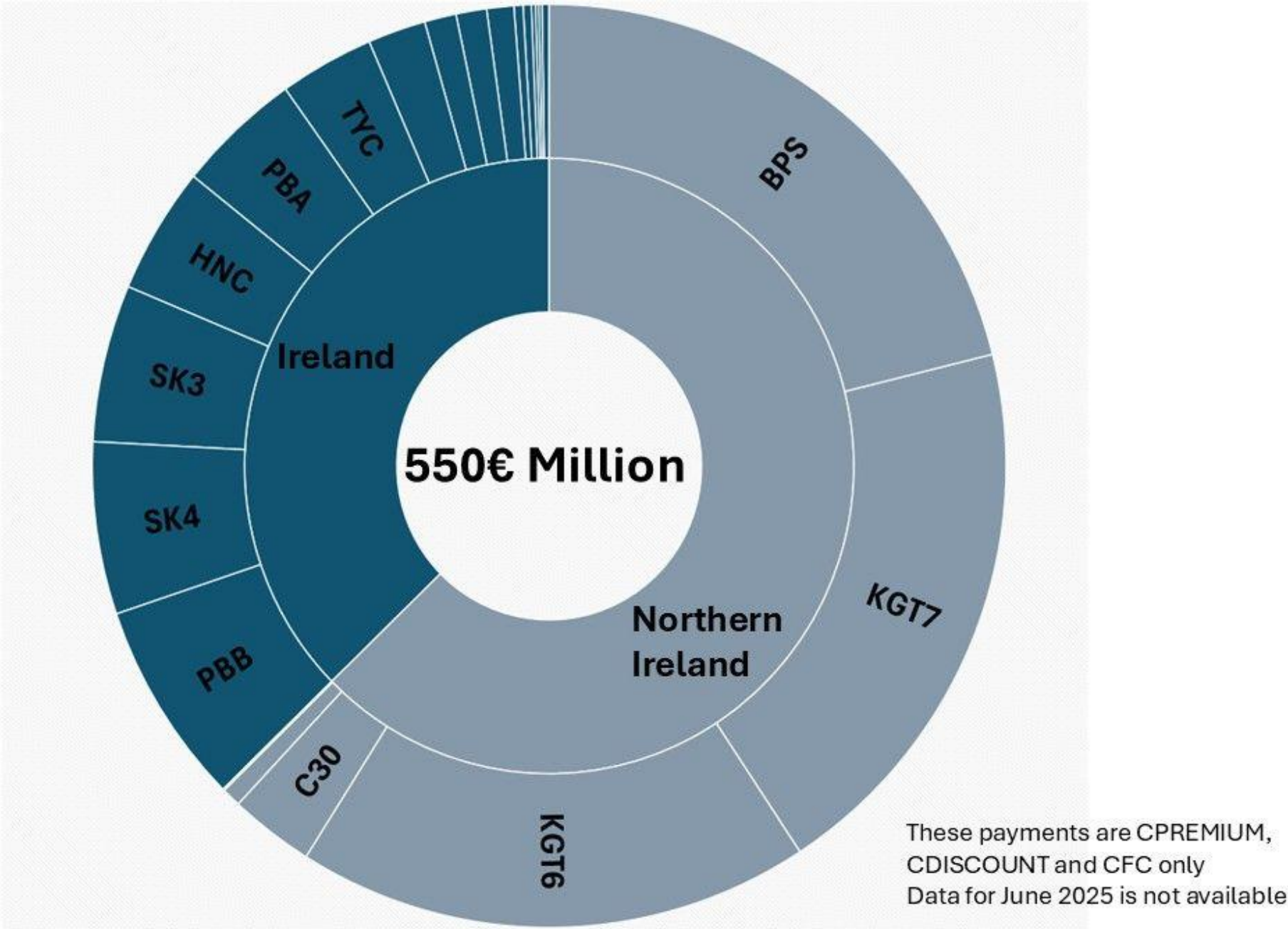


Breakdown of Annual Electricity Bill for Sample Urban Home for Different Years

Note that Government Energy Credits are not considered.



All Island Imperfection Costs| Market Share per Generator for Select Imperfection Payments for 2025



Will more Renewables Reduce our Electricity bills?

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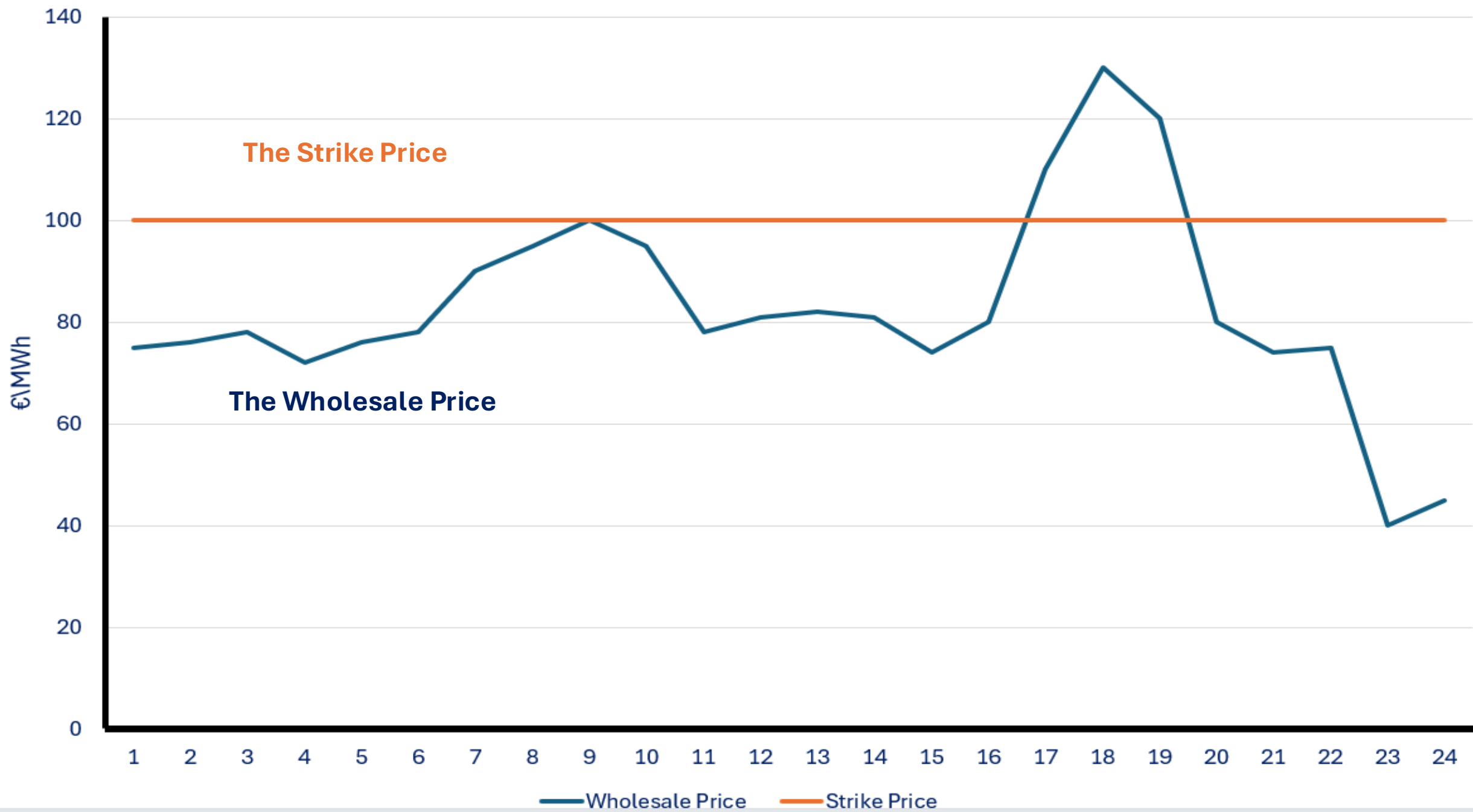


- Be mindful of “The Waterbed Effect”
- Wholesale prices are not the Whole Story
- In Renewable Dominated Power Systems, the policy focus should be on reducing Renewable Auction Prices rather than just Wholesale Prices
- This is because of the “2-Way Contract for Difference”

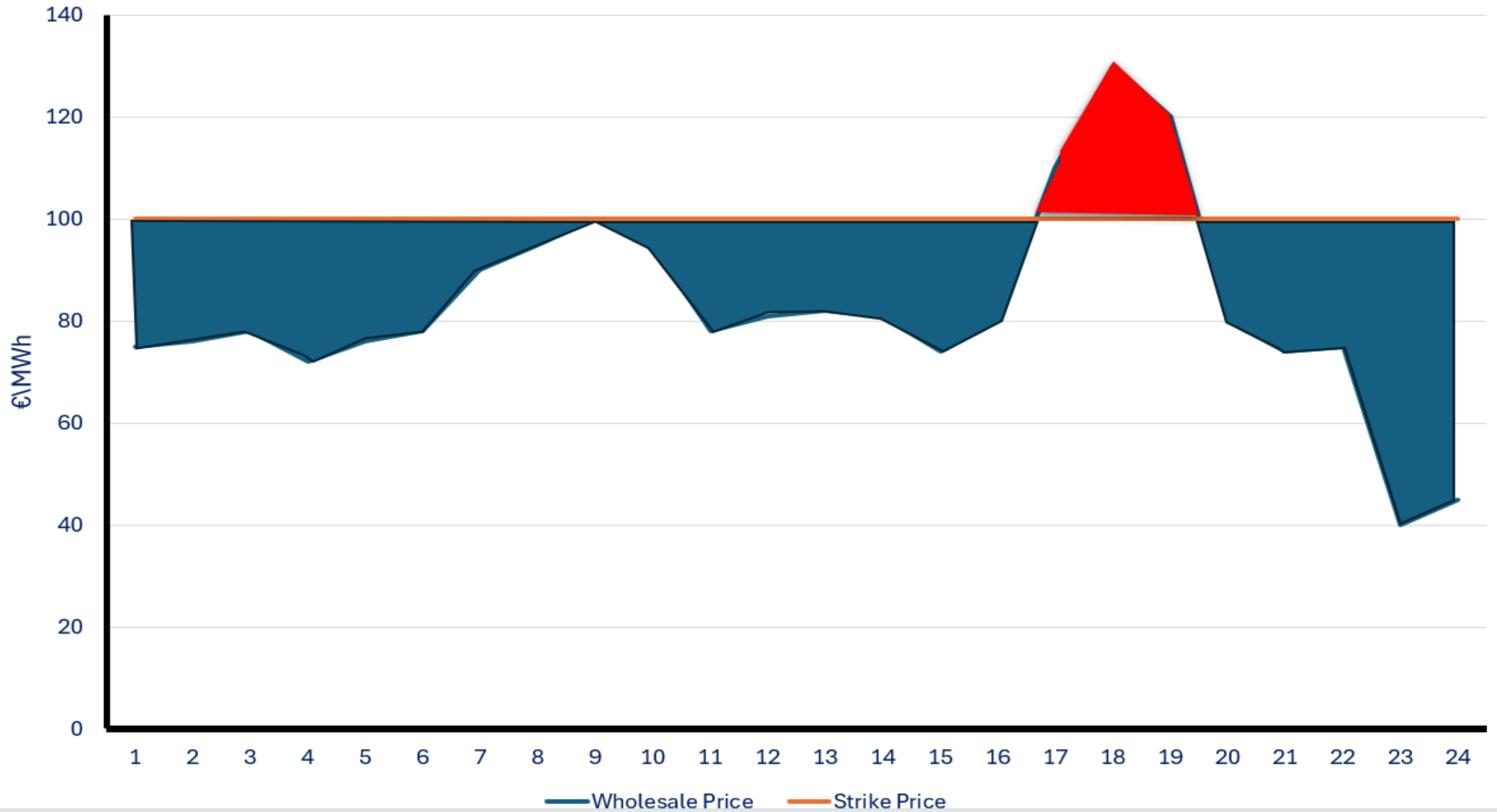
Two Way Contract for Difference



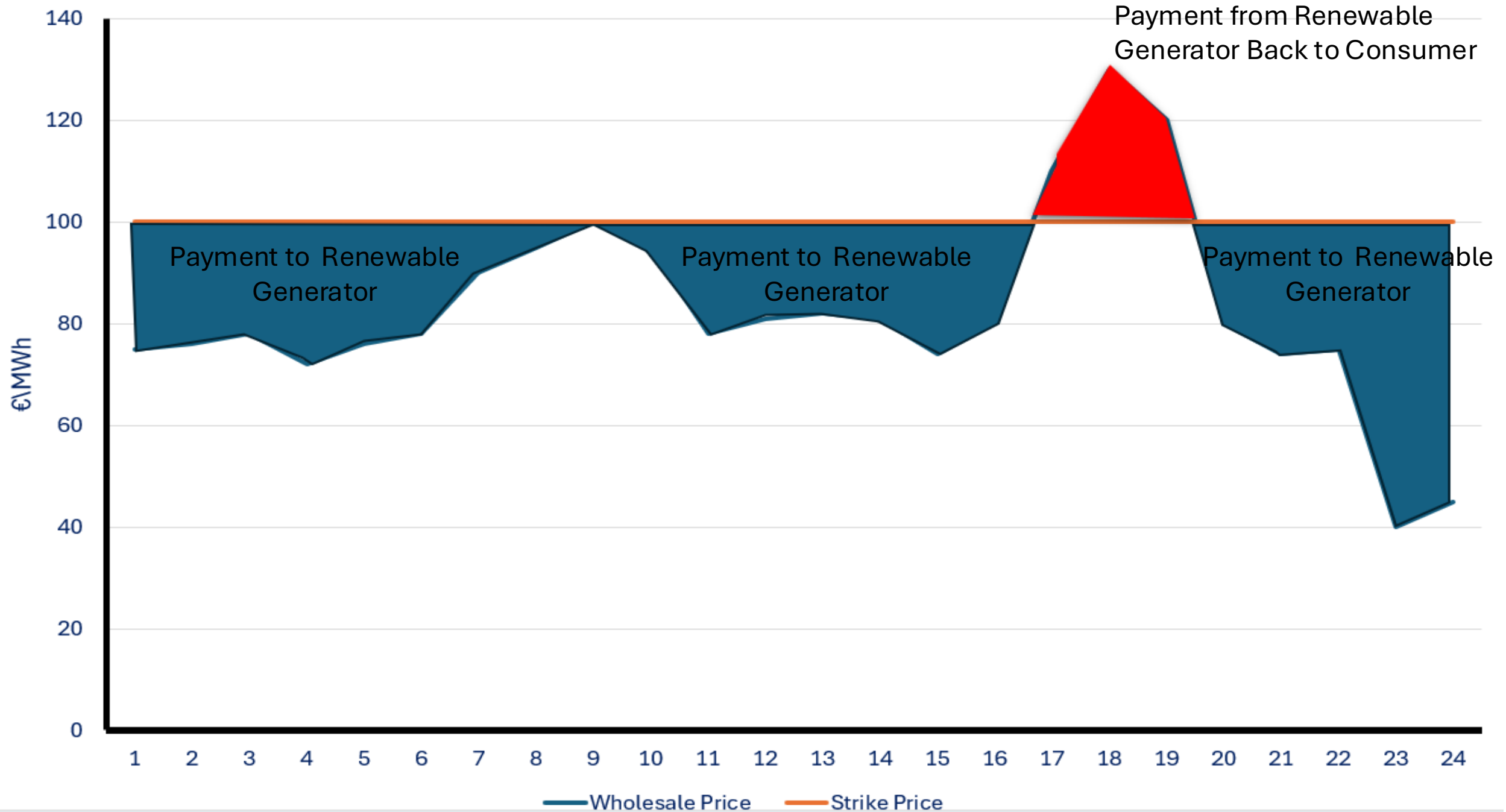
Two Way Contract for Difference



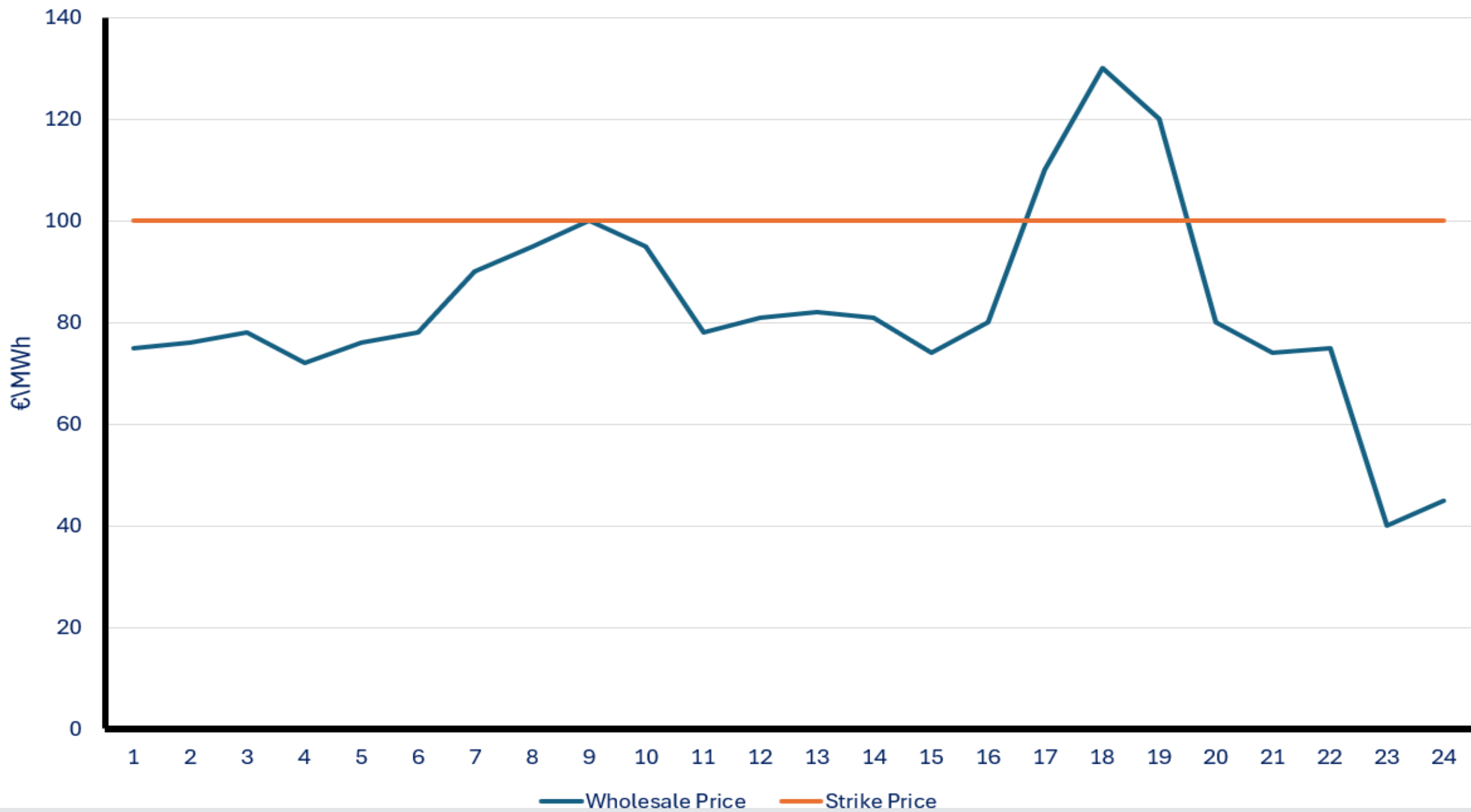
Two Way Contract for Difference



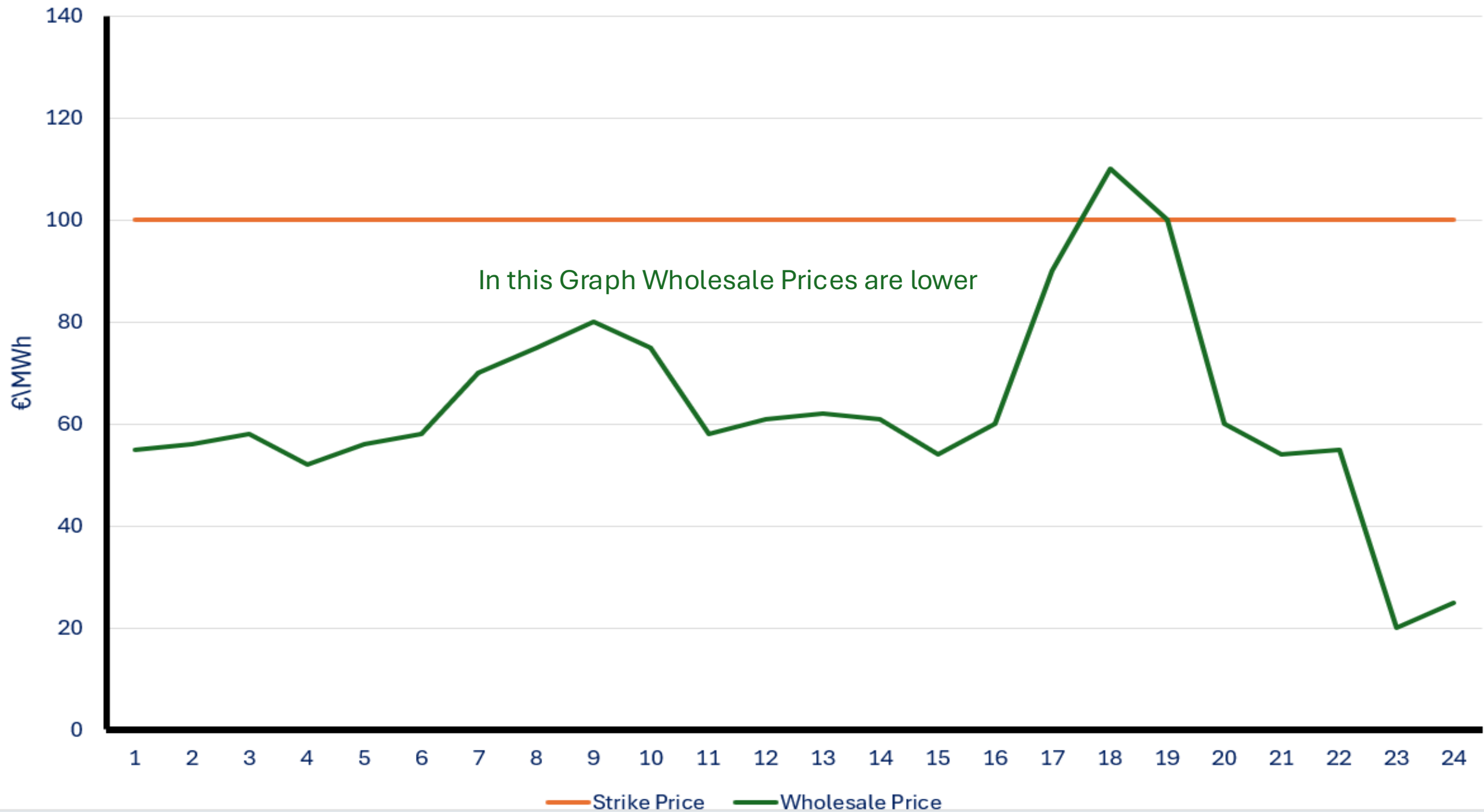
Two Way Contract for Difference



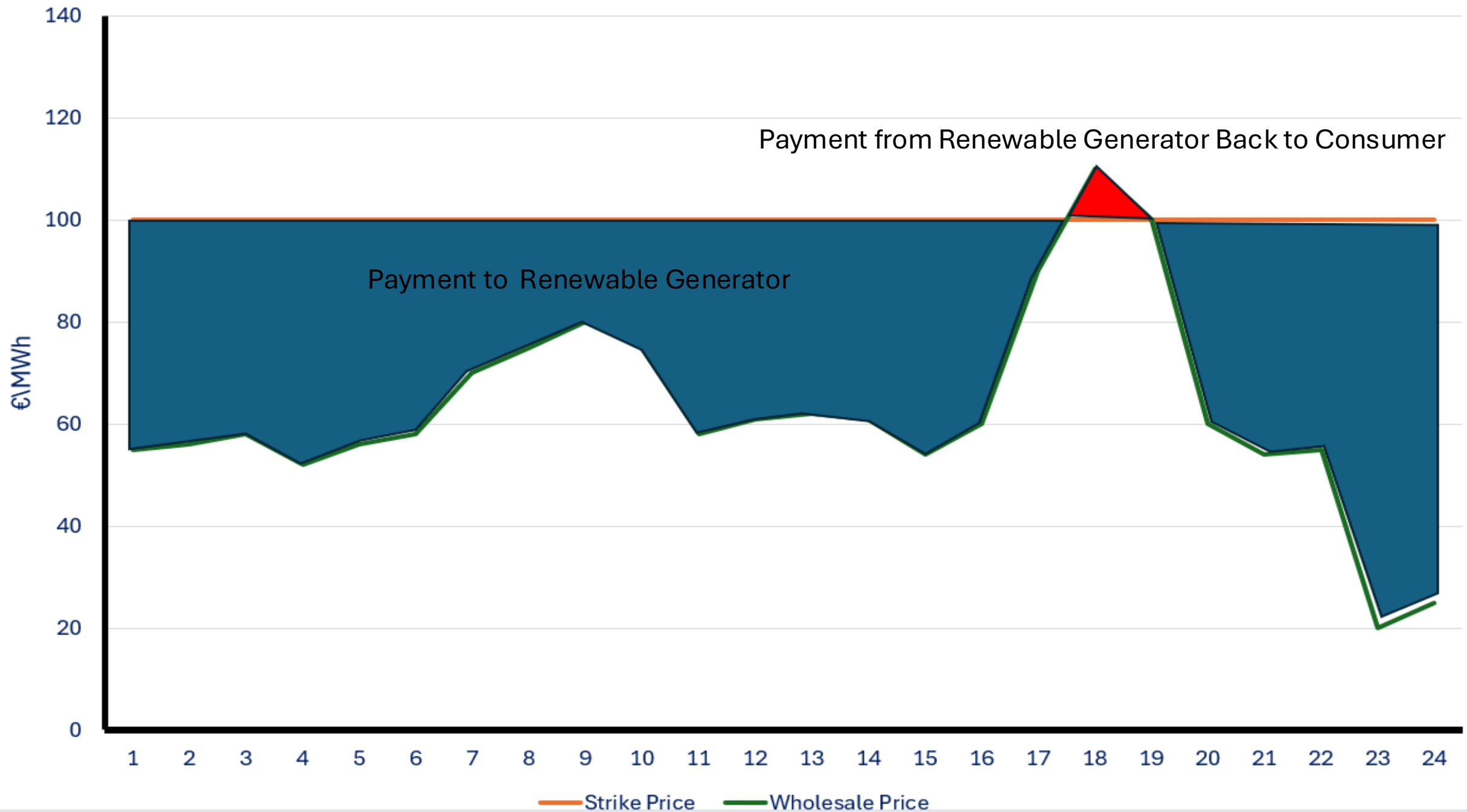
Two Way Contract for Difference



Two Way Contract for Difference

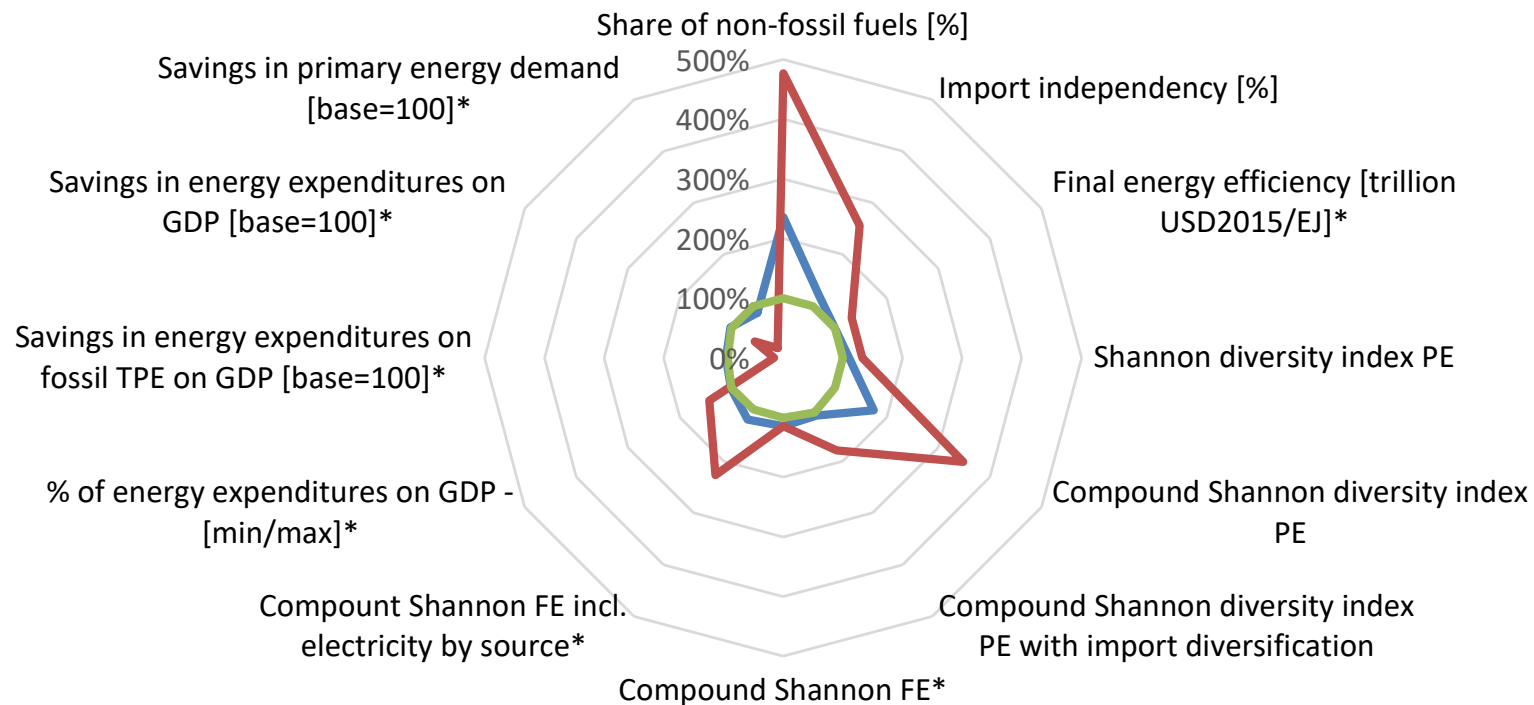


Two Way Contract for Difference



Demand-side vs supply-side policies for energy security

Performance of 3 policies across 12 Energy security indicators



Demand-side actions outperform conventional supply-side approaches

Transport electrification



Oil substitution for biofuels



Import diversification



Commentary on Future Electricity Prices



Looking to the future, there is little evidence to suggest that residential electricity prices will be significantly lower than today with more renewables

The narrative that electricity will be ‘cheap’ in the future as we move to a renewable system creates a false expectation because it overlooks the fact that as the cost of generating electricity reduces (likely to levels similar to today’s wholesale price), the costs of moving greater volumes of electricity will increase to finance extra network infrastructure.

Policymakers instead should focus on the natural characteristic of a well-planned renewable system which can deliver affordable, clean, and secure electricity in contrast to cheap, polluting, and volatile power prices.

Some thoughts that I hope are helpful



- We are likely to see supplier increase electricity bills this summer. As of today, I would expect increases to be small.
- This is not like the Russia Gas Crisis (as of today)...we should not panic, but we should be prepared
- Heading Strategies delay increases in Bills, but doesn't avoid them
- Targeted Financial supports are required.
- Supports should exclude properties with low electricity consumption

Some thoughts that I hope are helpful



- We need to focus on getting Auction Prices down rather than just wholesale electricity prices (DECC)
- There is a body of work to determine how to reduce Imperfection Costs (EirGrid)...you have to spend money to save money
- There is a body of work to clarify the impact on bills of Demand System Services cost/Future Arrangements for System Services. (CRU, EirGrid, SEM Committee)
- Balcony Solar is on the way. Lets be ready. (EN-50549 standards via ESBN)