



GridBeyond™

Batteries: Ensuring expectations match reality

The devil is in the details



The World's First Hybrid Battery & Demand Network

Increasing sites resilience and flexibility

Supporting sustainability and green credentials



Hybrid battery & demand network in Dynamic FFR

Case Study: Glass Manufacturer



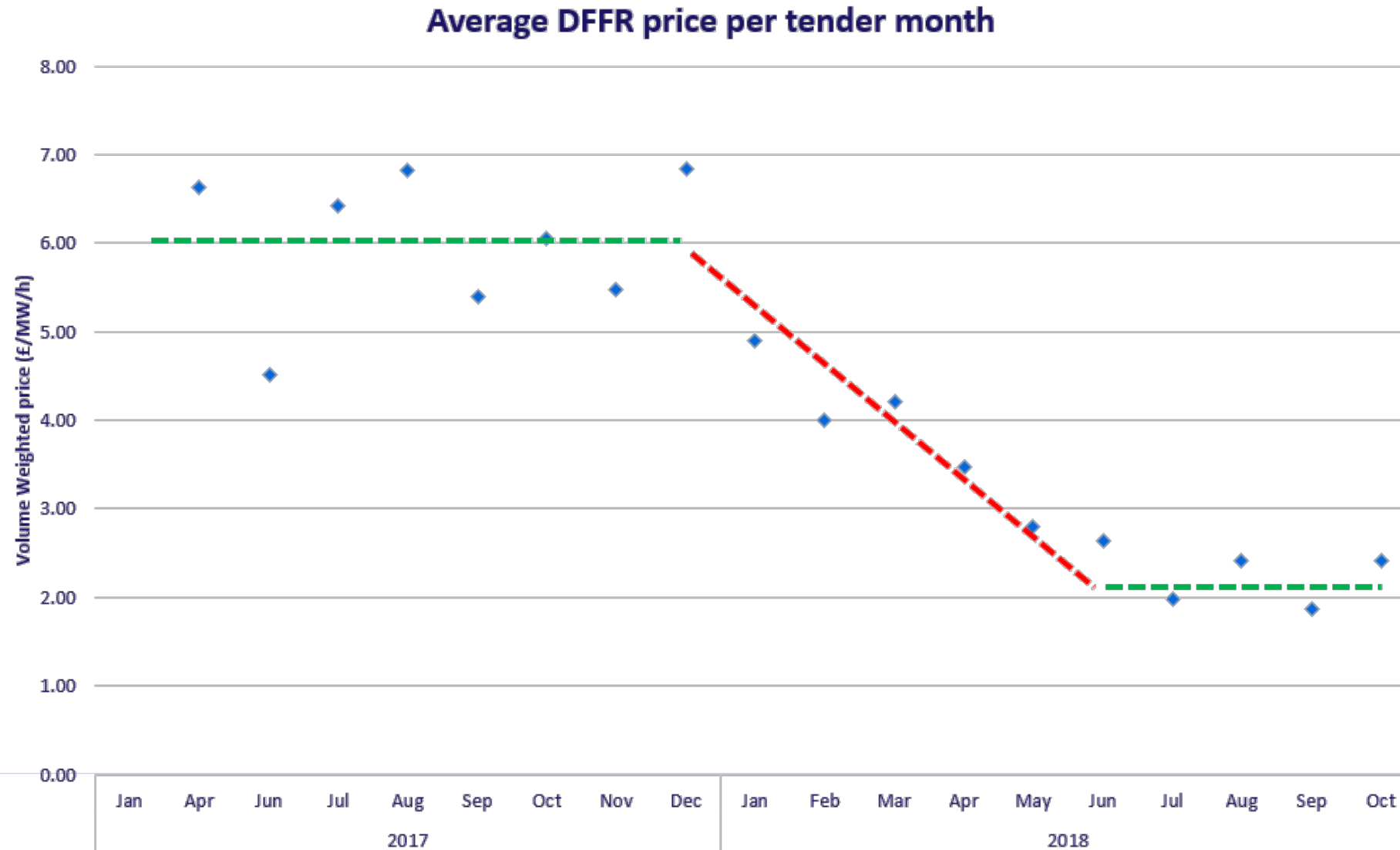
Project Facts:

- **12 MW** combined total of on-site assets connected
- **2 MW** battery installed on 1 site
- **65% increase in flexibility** of on-site assets
- **Connected** to the hybrid battery and DSR network

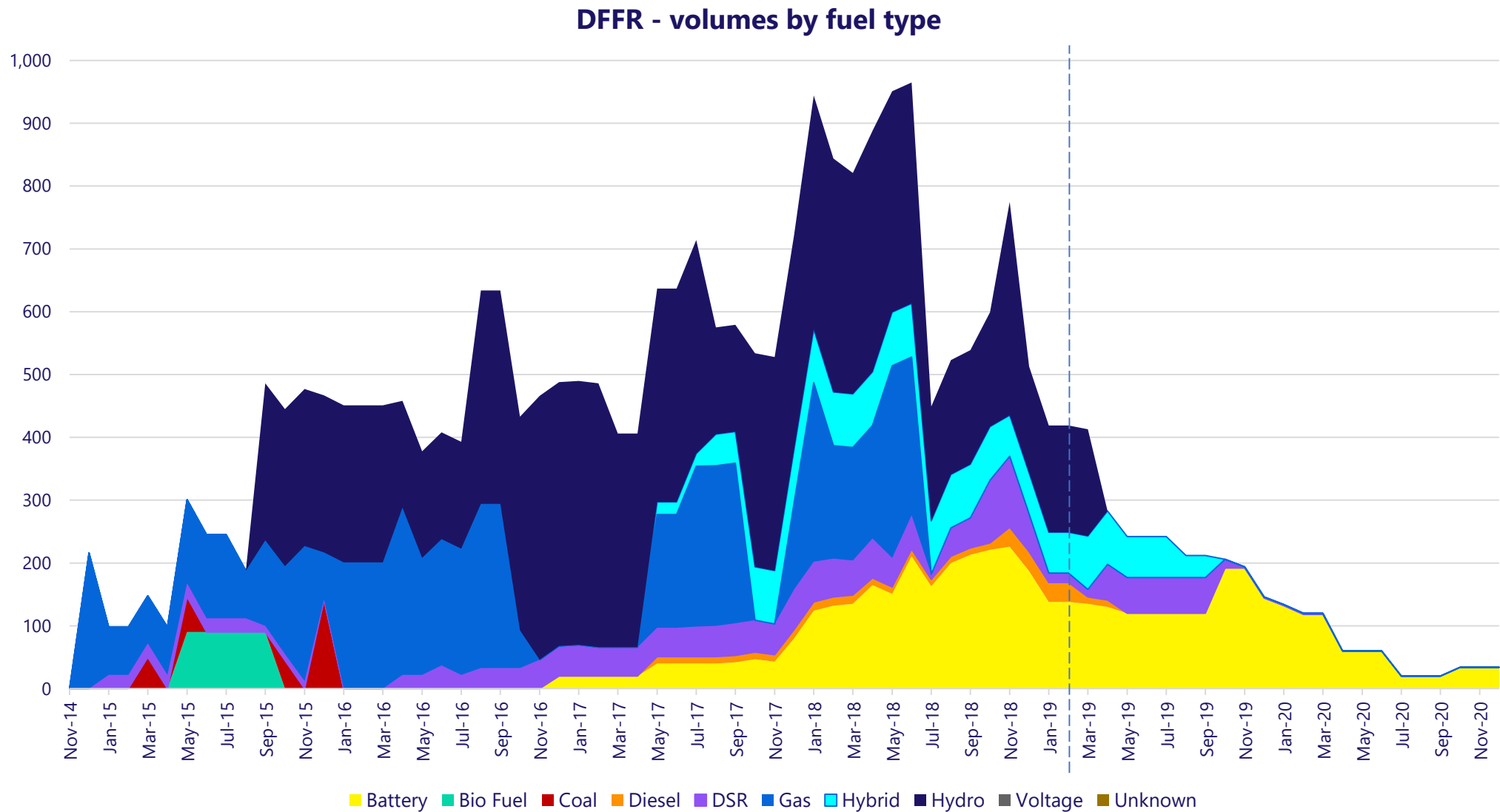
Benefits:

- Boost site resilience, reduce the financial risk of installing an on-site battery, and enhance the Grid's ability to meet sustainability goals.
- Intelligently rotates energy consuming assets within the portfolio based on their flexibility capabilities, filling in any gaps with the flexibility of the network of batteries that underpins the system.

Dynamic FFR pricing

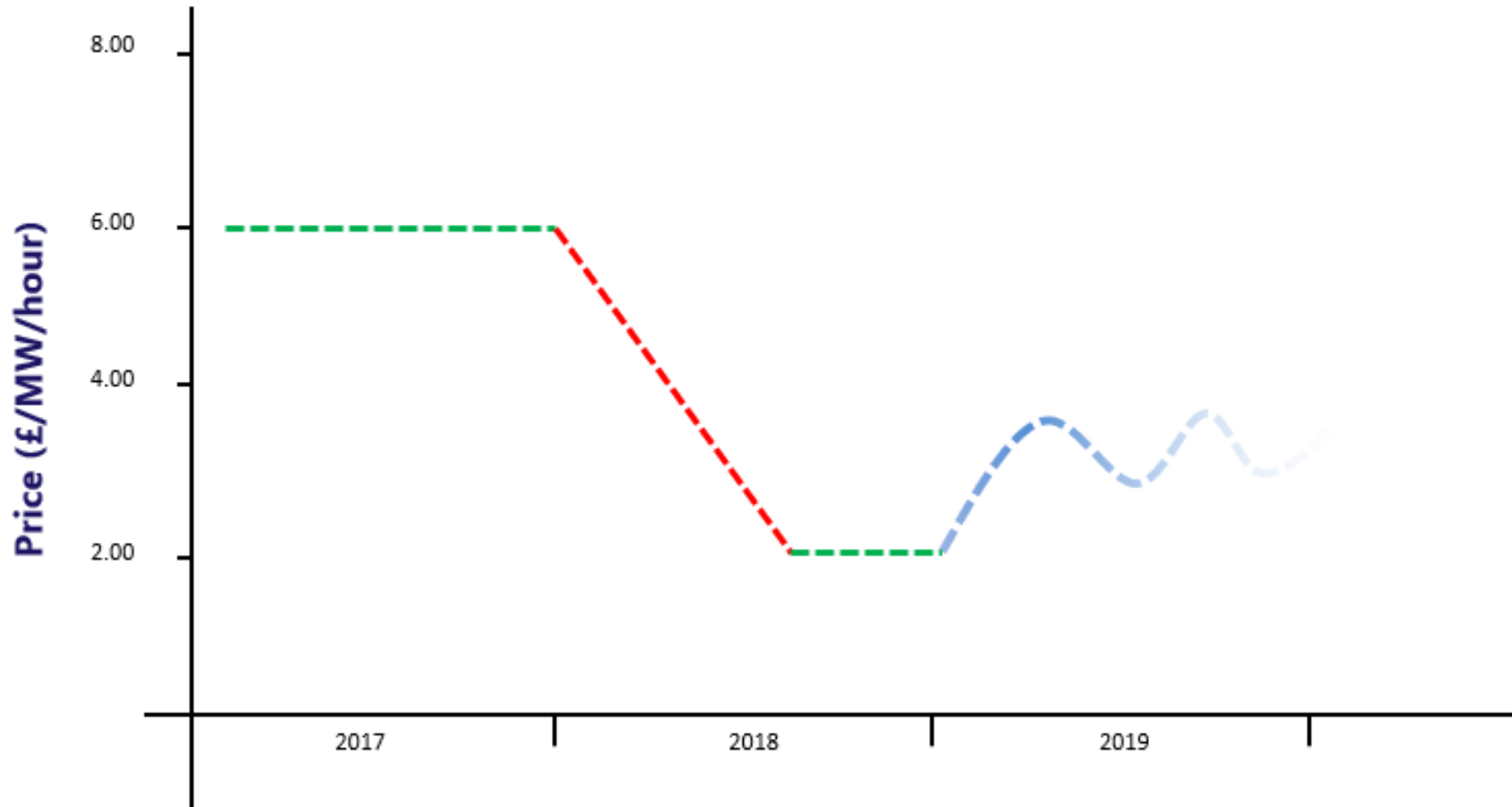


Volume procurement shortened



Total volume per delivery month procured in the FFR market – for Primary DFFR – broken down by type

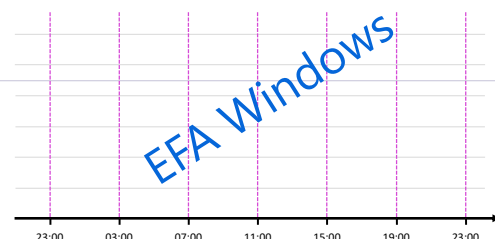
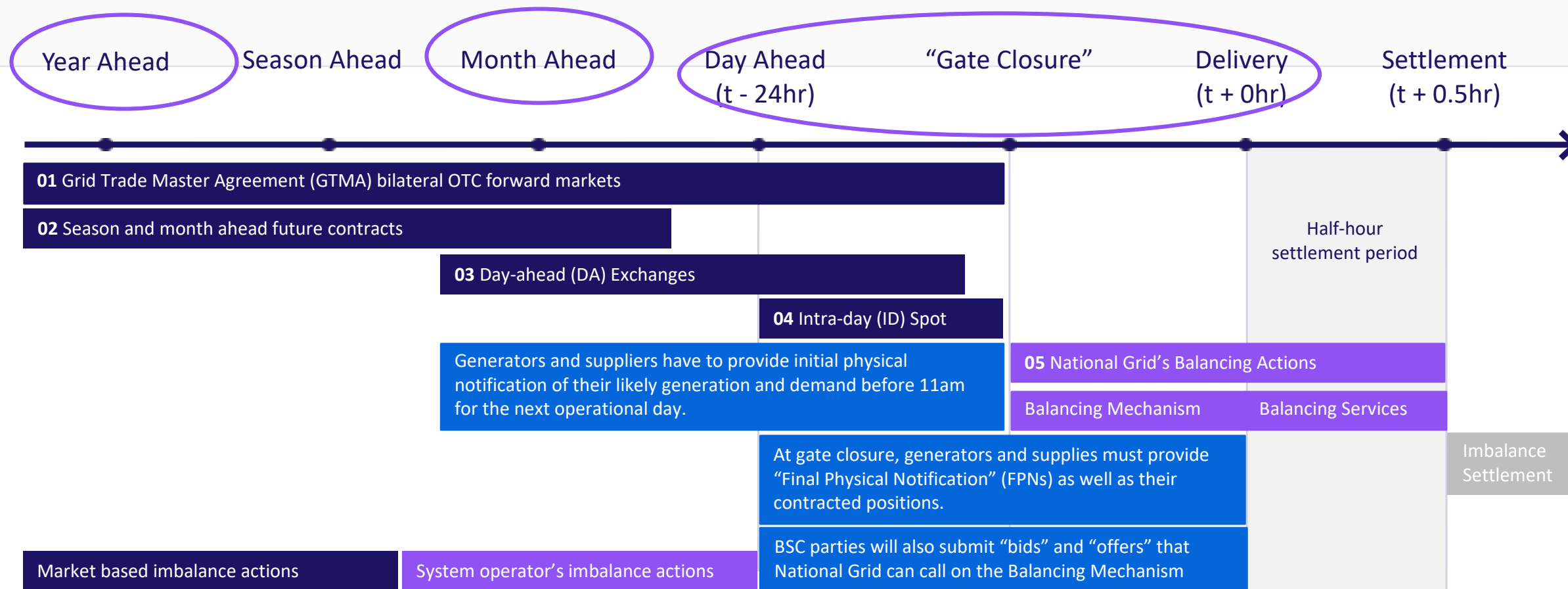
An optimists view of forward Dynamic FFR pricing...



Access to multiple markets/services

Fast Responding Balancing Services	Non-dynamic FFR	Reserve (slower) Balancing Services	Fast Reserve	New Fast Balancing Services	Dynamic Regulation	Smart Tariffing	Forward Trading
	Dynamic FFR		STOR		Dynamic Balancing		Day Ahead & Intraday
	Enhanced FR		Project Terre		Dynamic Containment		Balancing Mechanism
	FCDM		Demand Turn Up		Static Containment		Imbalance Market
			Capacity Market			PPAs	Virtual Power Plant
							DUoS Avoidance
							Triad Avoidance
							Track and Trade
							Fixed price
							Day Ahead full cashout
							Day Ahead no cashout

Shorter-term procurement windows



Thank you.

