

THE CHALLENGES TO CONNECTING LARGE- SCALE SOLAR

Lillian Patterson

Director Energy Transformation

August 2020



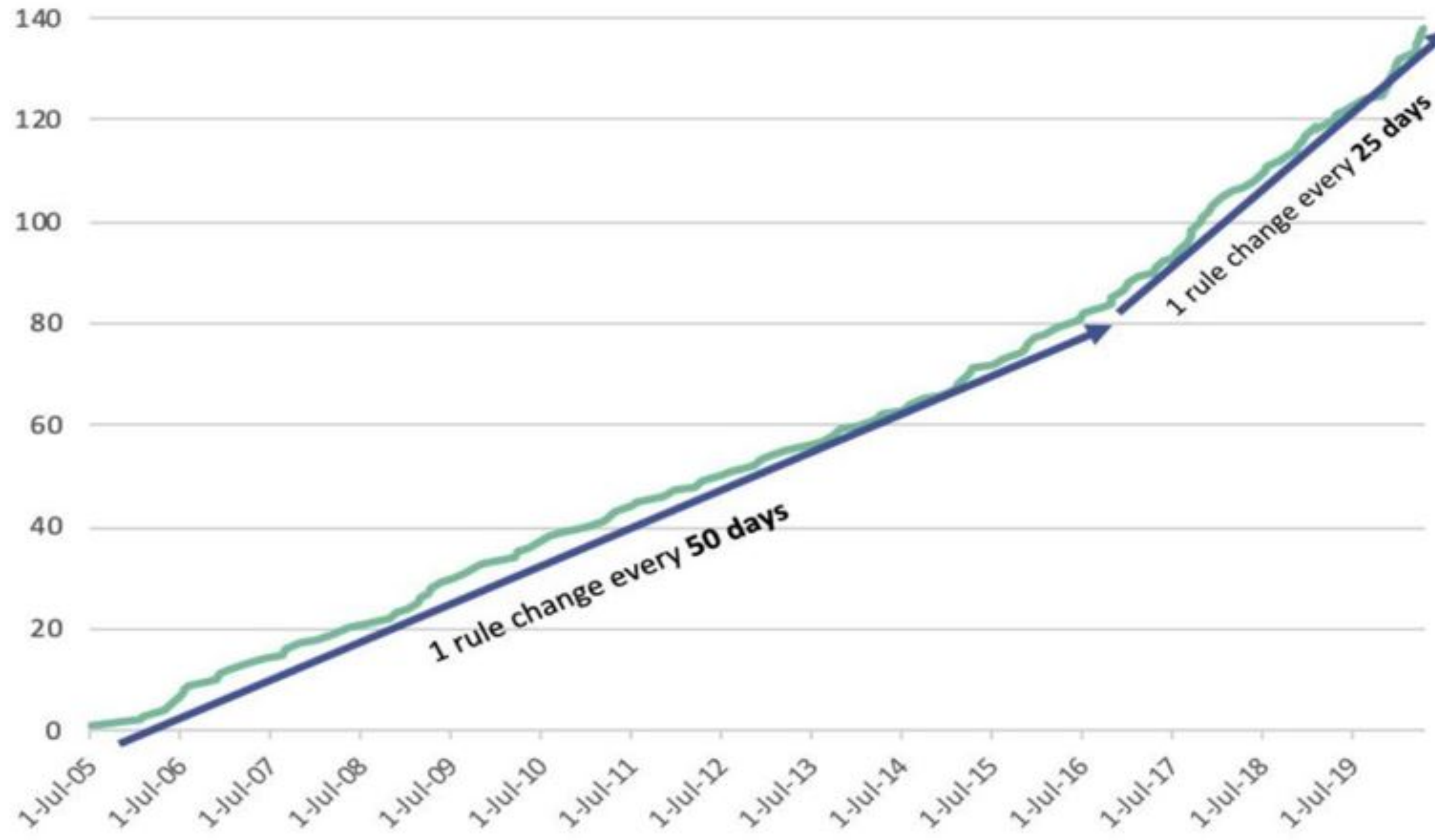
THE PEAK BODY FOR THE RENEWABLE ENERGY INDUSTRY IN AUSTRALIA

TOP BUSINESS CHALLENGES

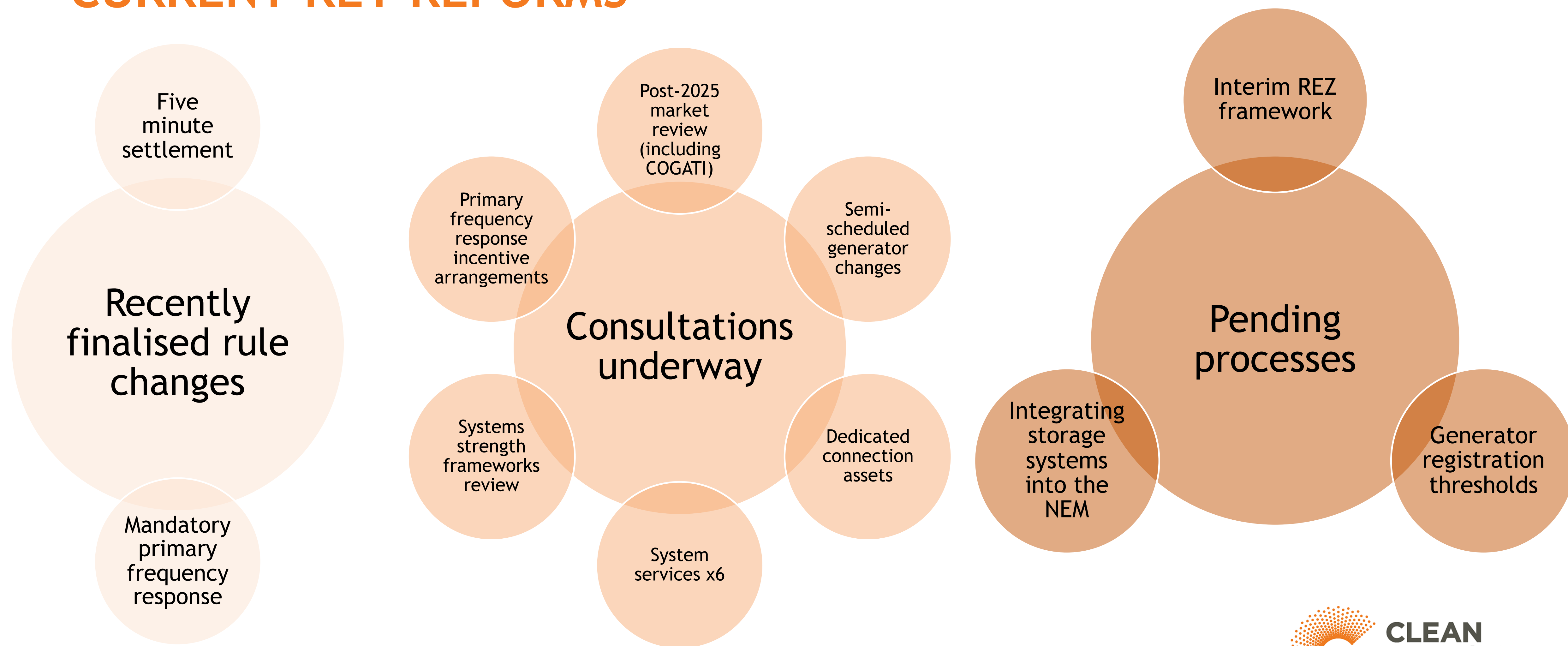
What factors are creating the greatest challenges for your business to develop clean energy projects in Australia?

- 1 Concerns and challenges related to grid connection process and technical requirements
- 2 Unpredictable or unhelpful government intervention in the energy market
- 3 Under-investment in network capacity to address congestion and constraints
- 4 Lack of long-term integrated federal energy and climate policy
- 5 Future market design uncertainty
- 6 Concerns and uncertainty around marginal loss factors (MLFs)

REFORM HAS ACCELERATED

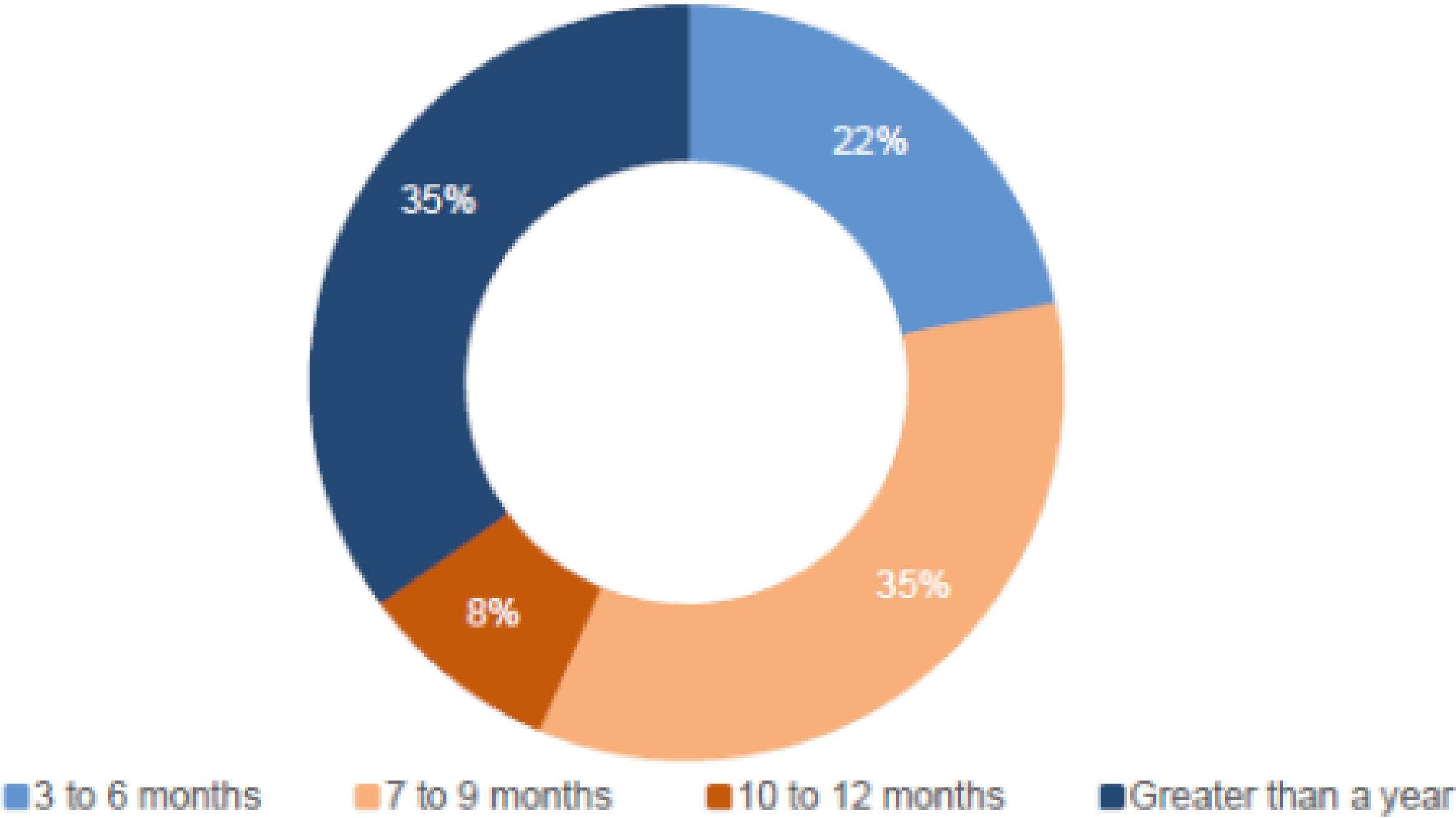


CURRENT KEY REFORMS

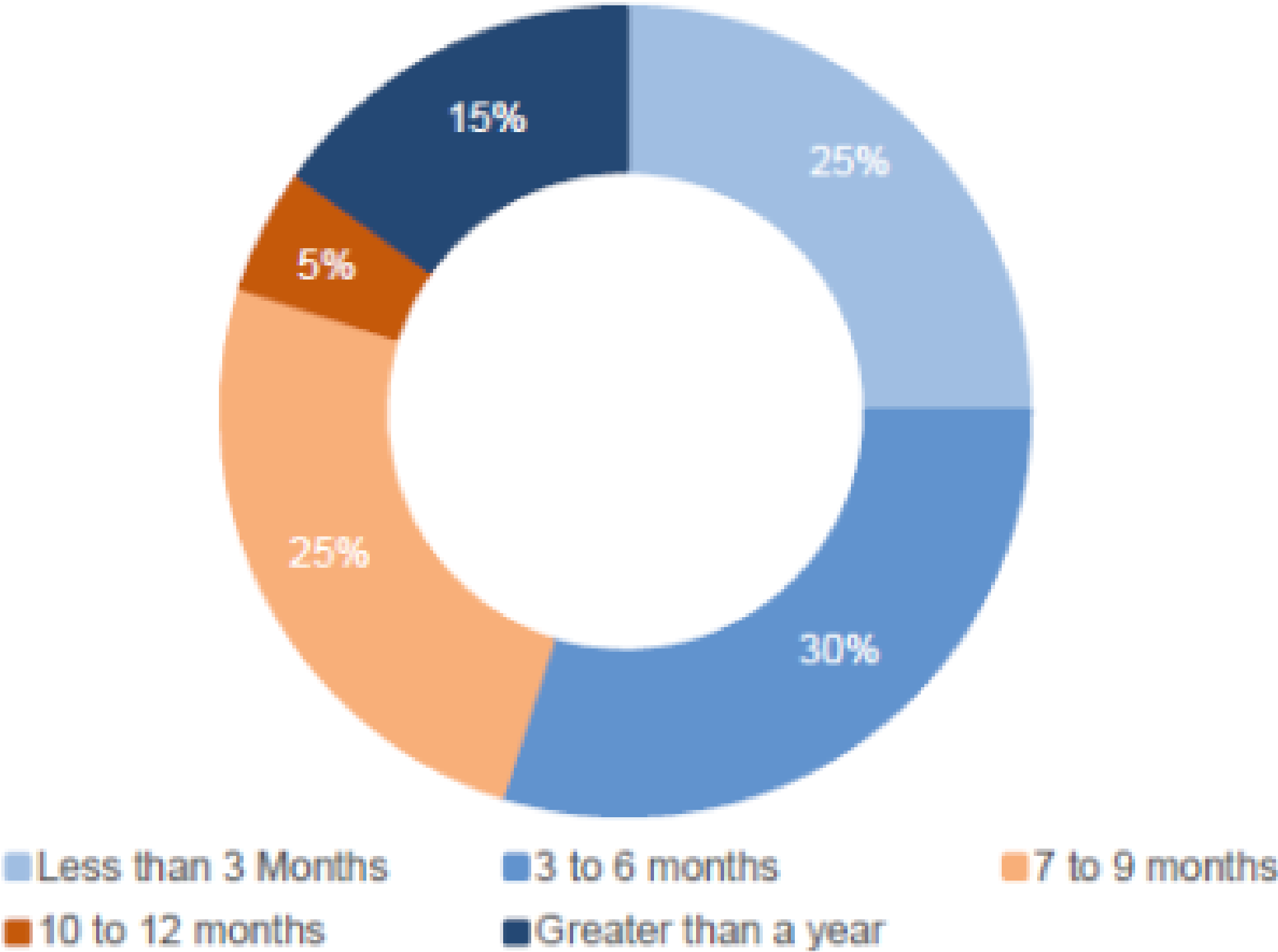


CONNECTION DELAYS

Typical timeframe from Connection Application to Offer to Connect



Typical timeframe from Construction Completion to passing 100% hold-point and being fully operational



NEGATIVE PRICES

Figure 20 Reduced black coal and GPG across the day, increased overnight hydro and daytime solar
Change in supply – Q2 2020 versus Q2 2019 by time of day

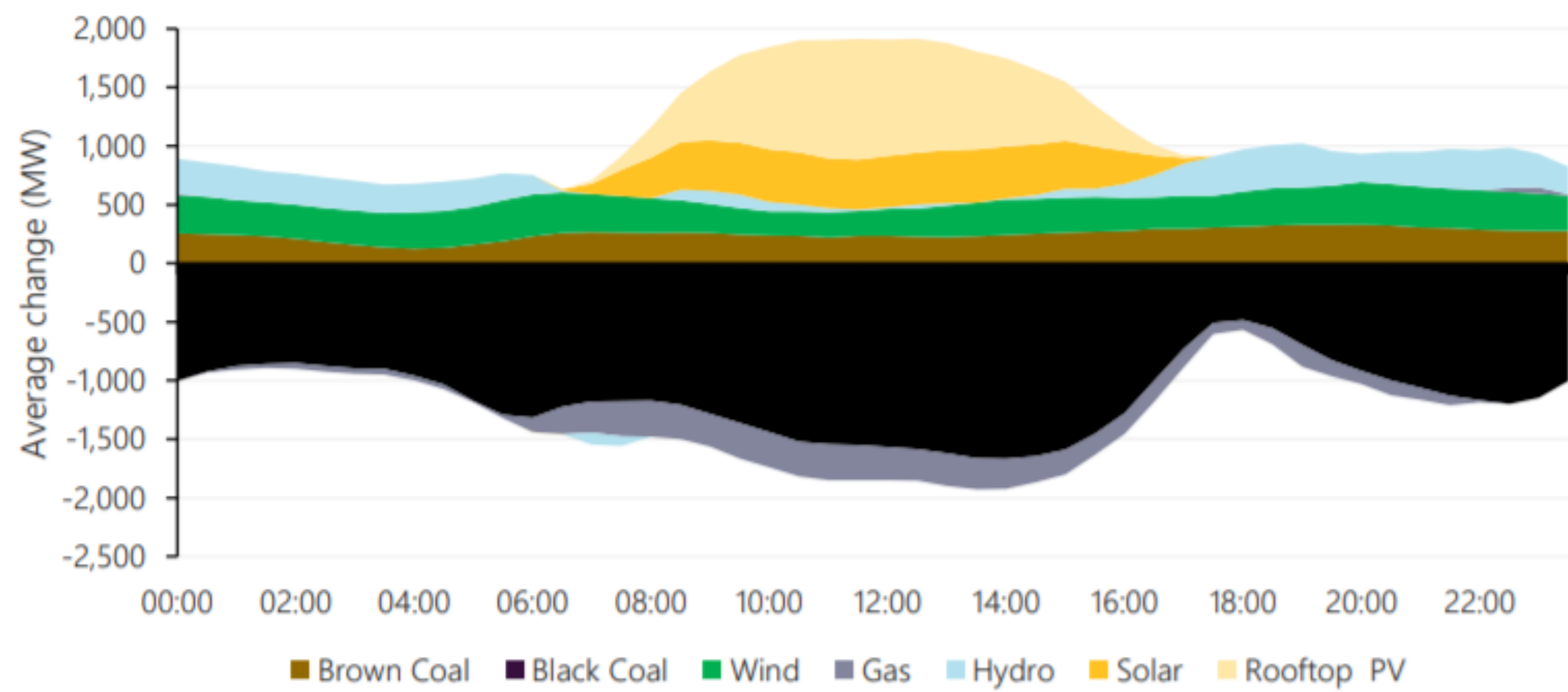
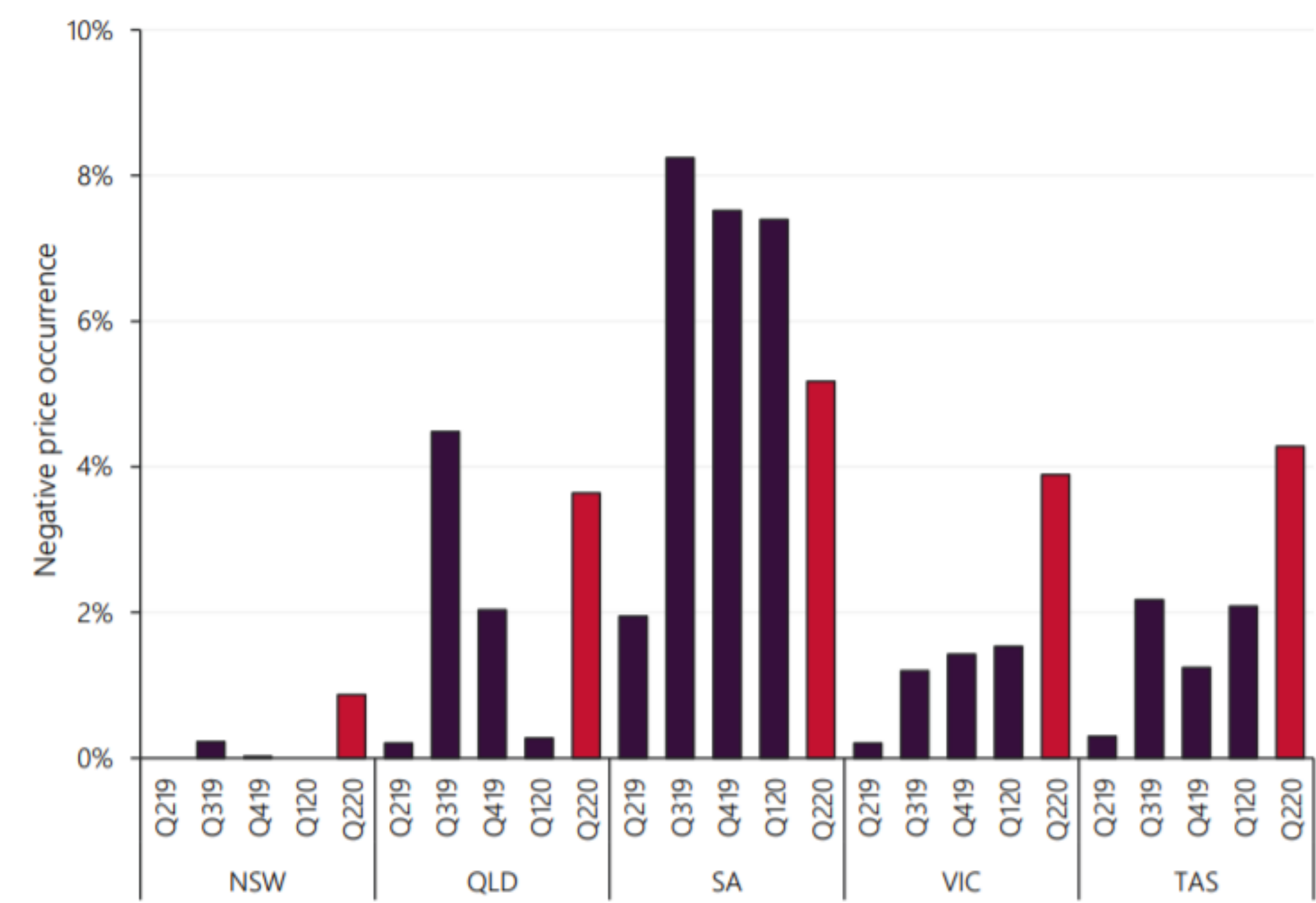
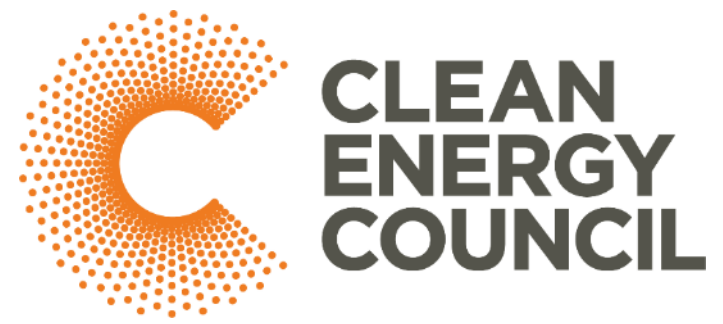


Figure 12 High negative price occurrences across the NEM
Frequency of negative spot prices and price impact in the NEM – Q2 2019 to Q2 2020





THANK YOU



cleannrgcouncil

CLEANENERGYCOUNCIL.ORG.AU