

Flagon Bekker – Transition 3energy Pty Ltd

Public Submission

The **financial figures and timelines underscore the significant and long-term capital expenditure commitments** that the government is facing.

Consider a unique tool:

There is a bridging solution which involves a mobile solution where the generator has a clutch - as connected to the generator - and being mobile it can be moved - based on seasonality - in support of a faster solution.

A floating, mobile, gas-fired power station provides a nimble and financially-prudent strategy to navigate these challenges by offering a scalable, fast-to-deploy, and mobile power generation source. This approach can alleviate budget

pressure by deferring or re-sequencing large-scale capital projects, mitigating the risks of power outages during critical maintenance, and enabling a more strategic allocation of resources across a multitude of competing and essential programs.

By offering rapid, flexible, and targeted system strength support, a floating power station with synchronous condenser conversion built in presents a compelling option to complement Transgrid's strategy for maintaining grid stability in

NSW during the energy transition. opex solutions available in terms of months not years and capex solution by end 2026. It is possible: <https://www.gevernova.com/gas-power/services/generators/upgrades/synchronous-condenser-conversion>

Against a backdrop of intensifying volatility, systemic curtailment, and fragile grid stability, an **opex-oriented fleet of mobile, floating powerships, running initially on gas with a clear pathway to ammonia (or other blended or single fuels), emerges as not just an option, but a strategic imperative.**

These powerships are the missing link to *accelerate the energy transition without compromising on reliability or affordability*. Their inherent **dispatchability** provides the critical firming capacity needed to counter the intermittency of renewables,

smoothing out the extreme price swings that are increasingly common in the NEM. By being **mobile**, they can be rapidly deployed to areas suffering from **grid congestion**, effectively acting as "virtual transmission lines" to unlock vast amounts of

curtailed renewable energy that is currently being wasted. This immediately boosts the effective output of existing clean energy assets and encourages further investment, while buying crucial time for long-lead-time transmission upgrades.

Crucially, their ability to provide **system strength and inertia** directly addresses the growing technical challenges highlighted by WattClarity, reducing the need for costly and frequent AEMO interventions.

This safeguards **grid stability**, preventing blackouts and demonstrating to the public that the energy transition is not a threat to their power supply. Furthermore, their **opex model** allows for flexibility and reduces long-term capital risk for a transitional asset.

The commitment to **ammonia-ready technology** also provides a clear decarbonization pathway, ensuring these assets evolve with our climate goals, reinforcing public trust rather than eroding it with continued fossil fuel reliance.

Summary Powerships are essentially self-contained power plants on a vessel. In the event of blackouts caused by damage to land-based infrastructure (e.g., transmission lines downed by storms, or generation failures),

a powership could be quickly deployed to a coastal location and connected to the grid. This offers a much faster response than building new land-based power plants.