

BACKING UP POWER SYSTEM SECURITY

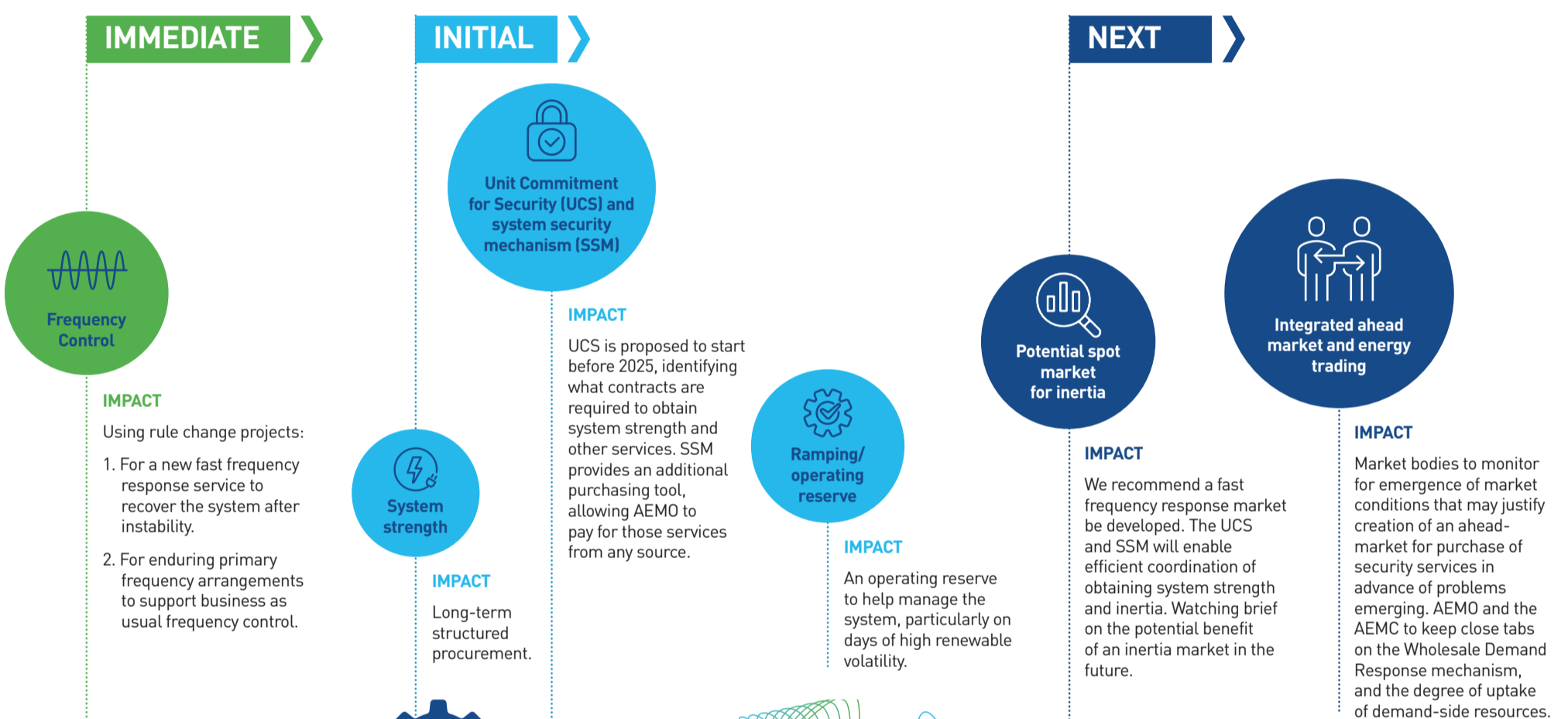
Essential system services, scheduling and ahead mechanisms

We are at the cutting edge of managing a power system with high levels of variable generation including large and small-scale wind and solar. Almost 3 million homes have solar panels, the highest take-up in the world. But while our generation mix is changing, the physics of our power system will not. Technical stability services like inertia, frequency control, system strength and operating reserves are not automatically provided by renewables. This requires us to fix the crucial security challenges that come with new technologies.

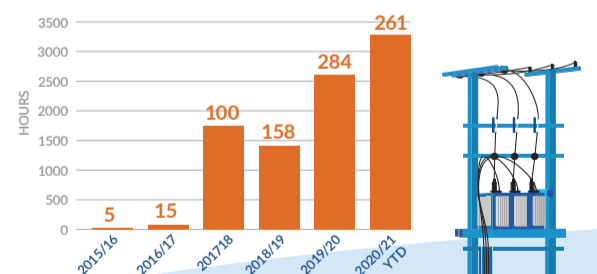
We report back to energy ministers in mid-2021 with final recommendations for a redesigned electricity market.

Have your say: 

PROPOSAL FOR REFORM PATHWAY



STEPPING IN TO KEEP THE LIGHTS ON
Number of AEMO directions and duration, 2015-20



We want new regulatory frameworks to be implemented as soon as possible to make the power system stronger. Introducing mechanisms to purchase core system services in the new-look market will build consumer confidence that a stable and dependable power supply can be maintained as we head towards instantaneous, variable renewable penetration of 75% in 2025.

Security = all about the power system's ability to keep technical parameters; voltage, frequency, current flows; within safe limits and control.