



Professor Mary O'Kane  
NSW Chief Scientist & Engineer  
NSW Energy Security Taskforce  
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Dear Professor O'Kane,

### **NSW CHIEF SCIENTIST & ENGINEER – ENERGY SECURITY TASKFORCE**

Origin Energy Limited (Origin) welcomes the opportunity to provide a submission to the NSW Energy Security Taskforce which is examining security and reliability of the NSW electricity system over peak summer periods.

Origin is the leading Australian integrated energy company with approximately 4.2 million retail customer accounts, 6,000MW of power generation capacity and operates a large portfolio of natural gas assets totalling 1,093 PJ of 2P reserves, with annual production of 82 PJe.

Origin plans to build or contract about 1500 MW of new large scale renewables by 2020, nearly tripling the level of renewable capacity in our portfolio. Since March 2016 we have committed to approximately 1200 MW of new solar and wind projects.

Within NSW, Origin operates the power stations of Eraring (2800MW), Uranquinty (660MW) and Shoalhaven (240MW) to supply NSW with both baseload and peaking generation in times of high demand. We have also recently concluded a 15-year power purchase agreement (PPA) with the 56MW Moree solar farm in NSW.

Energy security over peak summer demand periods requires the co-ordination and co-operation of multiple public and private sector organisations. Origin's operation team works across all our assets to ensure that both plant and personnel are available to handle extensive summer operations in a safe and secure manner. We plan for this by undertaking an annual 'Generation Summer Readiness Plan' which identifies maintenance activities that could impact plant reliability, output and performance. We then work towards ensuring that our generators are ready for extended periods of operation over the Summer period to meet high levels of demand.

Origin would welcome a meeting with the Energy Security Taskforce to discuss in greater detail the steps that can be taken to ensure that Origin's generation fleet are operating at their maximum output across the summer period with high temperatures and high demands. At this meeting, Origin would be happy to discuss and guide the Taskforce through the steps we have taken to ensure our units maintain a high level of reliability and output thus ensuring that NSW customers' needs are met during this critical time.

Should you have any questions or wish to discuss this information further, please contact James Googan on [james.googan@originenergy.com.au](mailto:james.googan@originenergy.com.au) or (02) 9503 5061.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "Steve Reid".

Steve Reid  
Manager, Wholesale Regulatory Policy