

# Energy Storage in Remote Australia: conniptions and kerfuffles

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March 2014

Abstract

A review of energy storage in hybrid systems in Remote Australia including the messy bits (well a wee bit at least).



# Where: Australia



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They taught me all I knew,  
Their names are What and  
Why and When And How and  
Where and Who." – Kipling*



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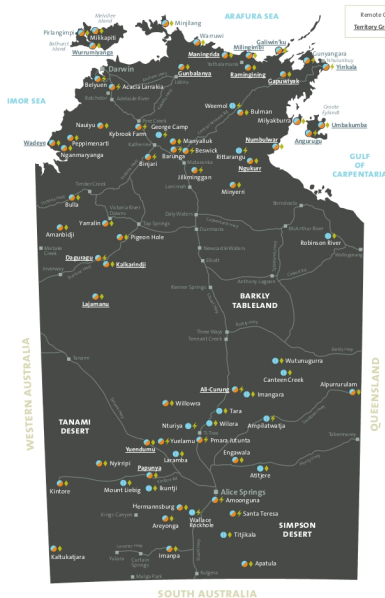


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- ▶ *Feel free to interrupt or redirect me.*



# Northern Territory/Powerwater



- ▶ Early **SMA** systems for delaying gen switch up (20y lifetime).
- ▶ Small ( $\approx 50\text{kW}$ ) PV/Wind systems.
- ▶ Concentrated PV with limited smoothing.
- ▶ Ti Tree, Kalkarindji and Lake Nash ( $\approx 1\text{MW}$  total PV, 80% peak penetration).
- ▶ ASIM and Solar Diesel Handbook.
- ▶ Medium Pen Rollout.
- ▶ High Pen Diesel off systems.



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*"Learning is not compulsory...  
neither is survival" – W. Edwards Deming*

