Selected Sites

Site	Continuous Output Capacity	Storage Capacity
Adelaide High School	100 kW	115 kWh
Adelaide Council Depot (separate contract)	22.5 kW	64 kWh





Challenges we have had to work through

- Development Approvals.
- Legal Opinions differ on the need for Development Approval
- SA Government is currently developing a position on battery installation in Class 3 to 9 buildings.
- Metropolitan Fire Service concerns around signage and fire ratings.
- Stakeholder engagement with culturally significant buildings



Thank You

For Further Information

Nick Smith

Director, Energy Programs and Services

Energy and Technical Regulation

Department of the Premier and Cabinet

T +61 (8) 8204 1669
E nick.smith2@sa.gov.au
www.sa.gov.au/energy
Level 8, 11 Waymouth Street, Adelaide, 5000



Integrating Clean Energy in SA Government

Nick Smith

Director, Energy Programs and Services





Stage 1 – EOI (mid 2015) Objectives:

- maximize the energy cost savings across the nominated sites
- contribute to Carbon Neutral Adelaide (>15% of GHG from buildings within the Adelaide City Council are attributable to government buildings)
- procure the best quality products with low technical risk
- ensure a quality maintenance regime, integrated FM arrangements
- include a communications component, with high demonstration value for commercial and industrial sectors
- foster economic benefit to South Australia



Buildings in Scope

Adelaide Railway Station	Metro Fire Station
Adelaide High School	Botanical Gardens Goodman Building
Gilles Street Primary School	SA Health Hanson Institute
North Adelaide Primary School	Adelaide City Council Depot (separate contract)
Sturt Street Community School	TAFE SA – City Campus
State Library of SA	South Australian Museum
Art Gallery of SA	Parliament House



Stage 2 RFP (February 2016)

7 respondents selected to go to RFP from 28 EOI submissions

Stage 3 – Installation

- Contract awarded to ZEN Energy November 2016
- 512.6 kWh of lithium ion batteries across 4 sites
- GreenSync energy management platform
- Potential for use as bundled 'power plant'
- benefits estimate \$119,136 Year 1, rising to \$145,872 in Year 6.
- peak demand management through load control, peak shaving
- over 10 years IRR of 7.5%, NPV of \$107,842





Selected Sites

Site	Continuous Output Capacity	Storage Capacity
Art Gallery	22.5 kW	64 kWh
Adelaide High School	100 kW	115 kWh
State Library	100 kW	270 kWh
Adelaide Council Depot (separate contract)	22.5 kW	64 kWh







Challenges we have had to work through

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