

# ESCRI-SA Future challenges and next steps

ESCRI Knowledge Sharing Reference Group

12 June 2019

In partnership with:



**ARENA**  
Australian Government  
Australian Renewable  
Energy Agency



**Advisian**  
WorleyParsons Group

This activity received funding from ARENA as part of ARENA's Advancing Renewables Programme

# Presentation outline

- > Lessons learned
- > Feedback on draft TOC for operational report
- > Future challenges and next steps

# Lessons learned

- > Each battery project appears to have its own set of unique challenges
- > Challenges have included...
  - aggressive timeframe for an innovative project
  - regulatory treatment & clarifying AEMO registration and metering requirements
  - obtaining / refining equipment models for evaluation of Generator Performance Standards, exacerbated by optimising control for grid-connected and islanded operation
  - pushing technical boundaries, e.g. wind farm islanding, vector shift
  - managing commercial contract signed before design was completed

# Draft TOC for operational report

## Introduction

Project Context

Overview of ESCRI System and Operation

Key Project Objectives

## Close out of Commissioning Items

R2 Testing

Islanding Testing & Wattle Point Windfarm  
Integration

EPC Contract

Defect resolution

## Summary of ESCRI Operation

Current Operational Status

Key Storage Metrics for Reporting Period

Overview of Key Events for Reporting Period

Portal Operation and Usage

## Key BESS Regulated Services

Unserviced Energy / Islanding

Reduction of Interconnector RoCoF Constraint  
(FFR)

SIPS

## Key BESS Market Services

General Financial Performance

Cap trading

FCAS

## General Operational Issues

ElectraNet - AGL Battery Operating Agreement

Facility Maintenance Contract

Safety Incidents

Stakeholder Issues

Market Non-Compliance Incidents

## Key Lessons Learnt

# Future challenges and next steps

- > Manage promised 96% availability
- > Energy losses
- > Next steps
  - Achieve ElectraNet / AGL agreement to enable WPWF for islanded operation – in order to relax SOC limit
  - Installation of additional air conditioning units
  - Prepare first 6-monthly public operational report
  - ElectraNet internal handover to operations / maintenance

# Dalrymple North – Completed Site



# Questions



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# Thank you

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