

The logo for Genex Power, featuring the word "Genex" in a sans-serif font above the word "Power" in a larger, bold sans-serif font. A stylized white wave graphic is positioned to the right of "Genex".

# Genex Power

AGM PRESENTATION 5 NOVEMBER 2018

# About Genex Power

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## ▪ Renewable energy generation and energy storage

ASX code: GNX

Shares on issue: 303.9M

Market cap: \$88M

Cash (30.09.18): \$14.4M

Undrawn ARENA: \$2.8M

Favourable Tax Ruling: \$39.5M

Major Shareholders: Board & Management – 17%

Zhefu Hydropower – 11.7%

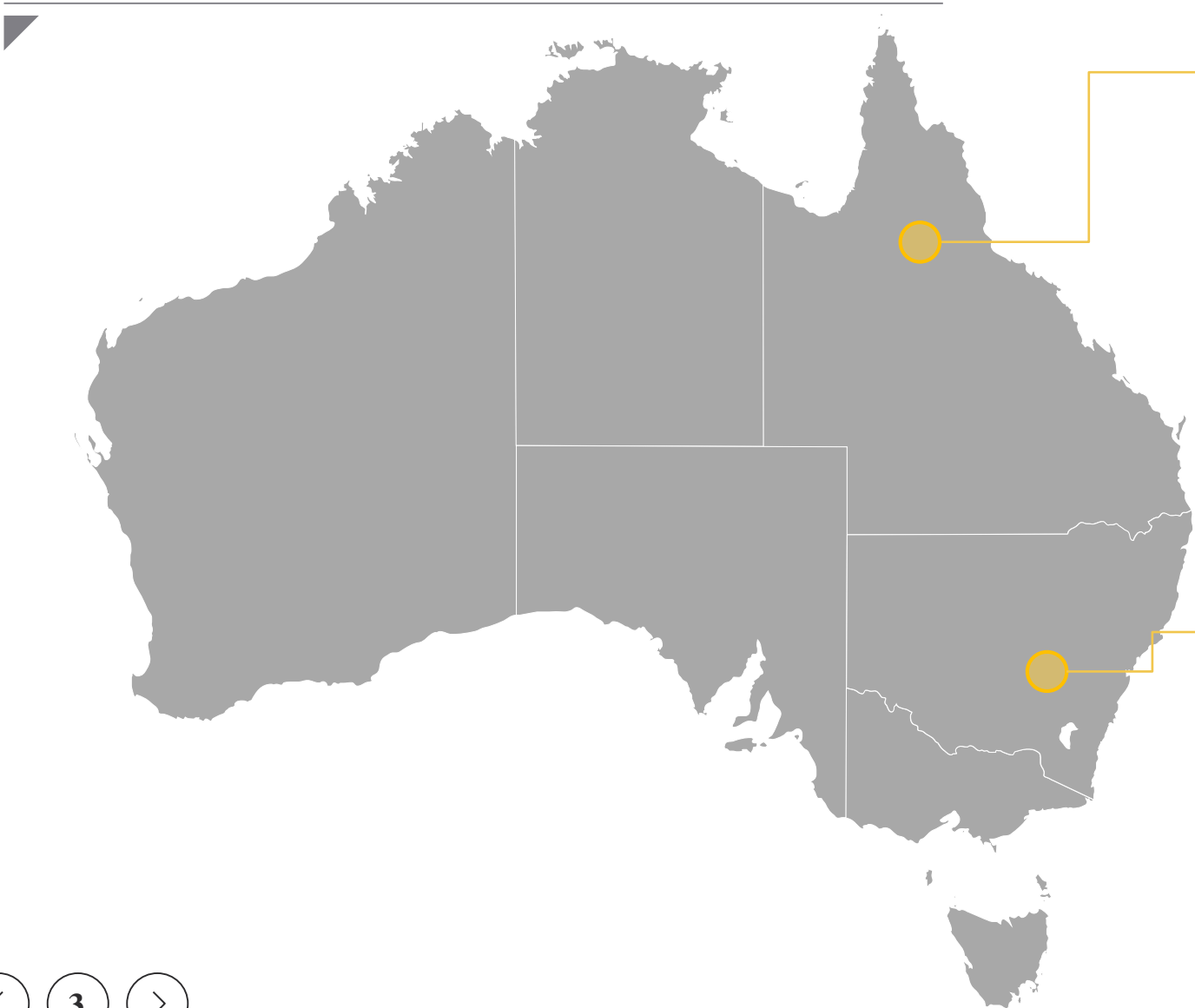
Institutional – 21%

Other – 50.3%



GENEX POWER (GNX)

# Corporate Portfolio



## Kidston Renewable Energy Hub

Stage 1: 50MW Kidston Solar Project

Stage 2: 250MW Kidston Pumped Storage Hydro Project & 270MW Solar Project

Stage 3: 150MW Kidston Wind Project

## Jemalong Solar

50MW Jemalong Solar Project

# Corporate Portfolio

## Kidston Renewable Energy Hub:

- **STAGE 1: 50MW Kidston Solar Project (KS1)**
  - 20-Year Government Revenue Guarantee
  - Generating into the National Electricity Market
- **STAGE 2: 250MW Kidston Pumped Storage Hydro Project & 270MW Solar Project**
  - ‘Giant water battery’ integrated with solar
  - Can store & generate electricity for up to 8 hours (2,000MWh)
- **STAGE 3: 150MW Kidston Wind Project**
  - Land option secured & feasibility commenced

## 50MW Jemalong Solar Project:

- Land secured, DA approved and connection underway



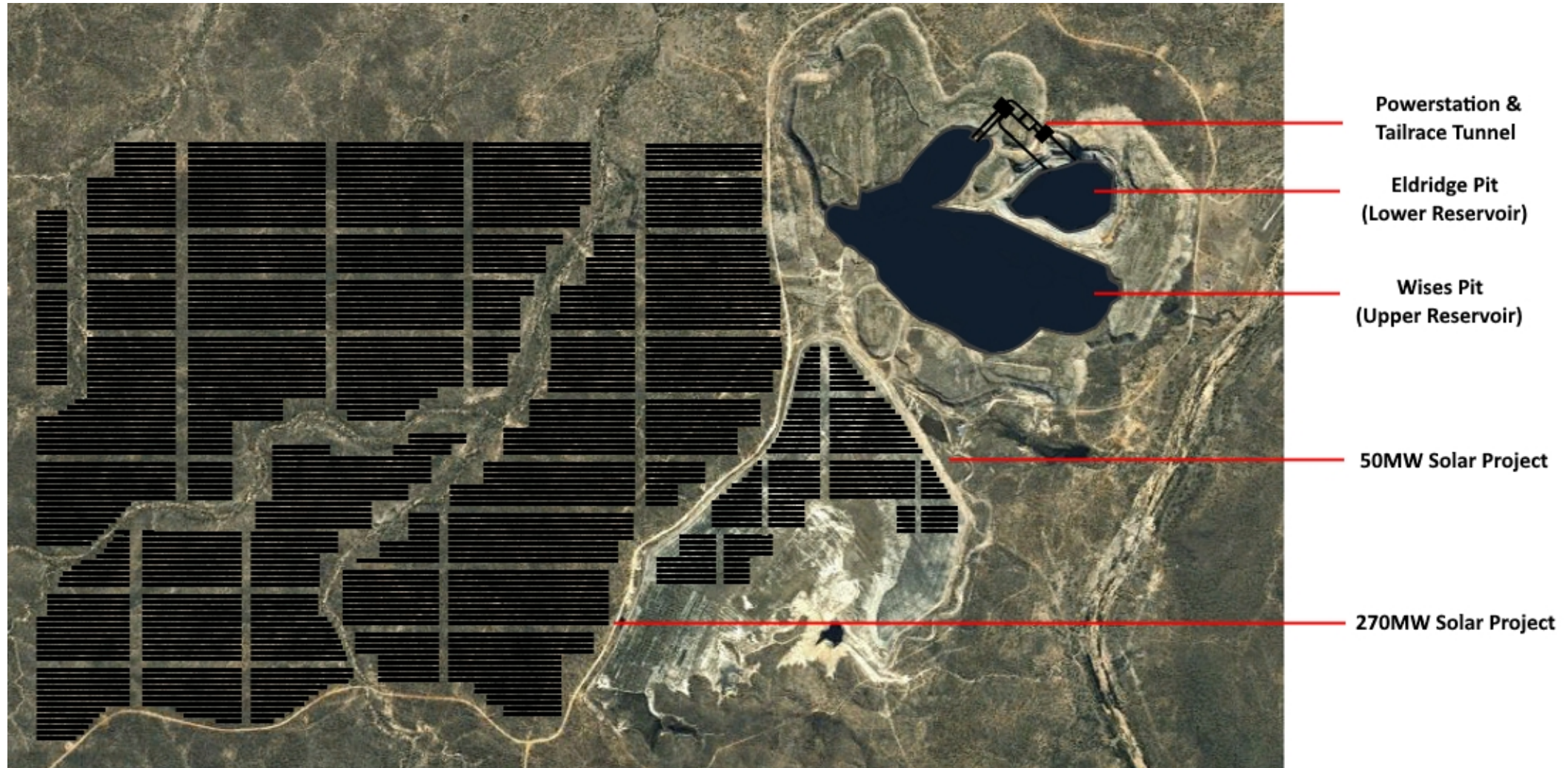


## Market Transitions: Renewables & Storage

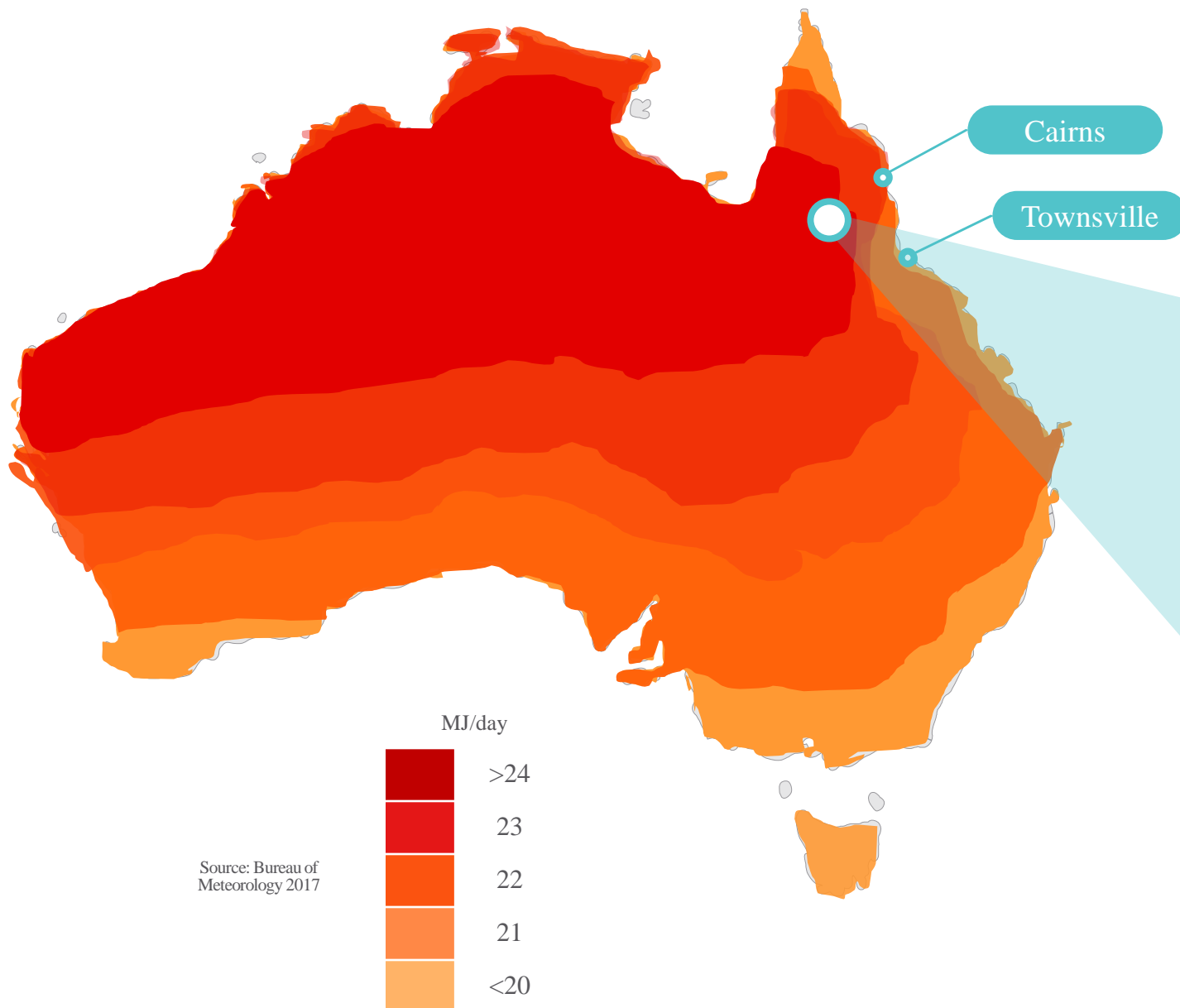
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- Growth of intermittent wind & solar creating volatility in the market
- Need for low-cost, large-scale storage
- Pumped hydro storage is the most efficient and abundant form of energy storage available
- Adequate storage will allow high penetration of renewables & accomplishment of government renewable energy targets of reliability requirements

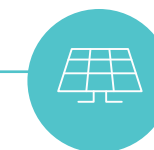
# Kidston Renewable Energy Hub



# Kidston: Locational Advantages

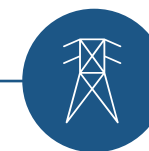


- Kidston, Far-North Queensland



Highest solar irradiance in Australia

## Kidston Renewable Energy Hub



Existing infrastructure

- Two mining voids filled with water
- Water pipeline to Copperfield Dam
- Environmental permitting
- Accommodation, road access & airstrip
- 132kV transmission & substation



# 50MW Kidston Solar Project



# 50MW Kidston Solar Project

- 20-year Revenue Support Deed with Queensland State Government



Quarter Ending	Dec 2017	Mar 2018	Jun 2018	Sep 2018
Generation (MWh)	2,850	20,125	29,509	35,509
Cumulative Generation (MWh)	2,850	22,974	52,220	87,729
Revenue (\$)	490,377	3,411,189	4,437,466	3,421,322
Cumulative Revenue (\$)	490,377	3,901,565	8,339,031	11,760,353

Notes to Table:

- Unaudited financial information;
- Revenue comprised of energy and LGC sales up to and including 30 July 2018;
- Queensland Government Revenue Support Deed commenced 31 July 2018 with LGC revenue reverting to the Govt. from that date;
- All revenue during commissioning phase was derived from selling into the spot market.



# 250MW Kidston Pumped Storage Hydro Project

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# 250MW Kidston Pumped Storage Hydro Project

- Strong government support
  - Designated 'Critical Infrastructure' by Queensland State Government
  - Up to \$9M in funding already provided by ARENA
- Tier 1 contractors appointed:
  - Feasibility completed by Entura
  - EPC contractor - McConnell Dowell & John Holland
  - Engineering consultants Mott MacDonald and GHD
  - International hydroelectric turbine supplier ANDRITZ
- Construction commencement anticipated for H1 2019





# 270MW Kidston Solar Project

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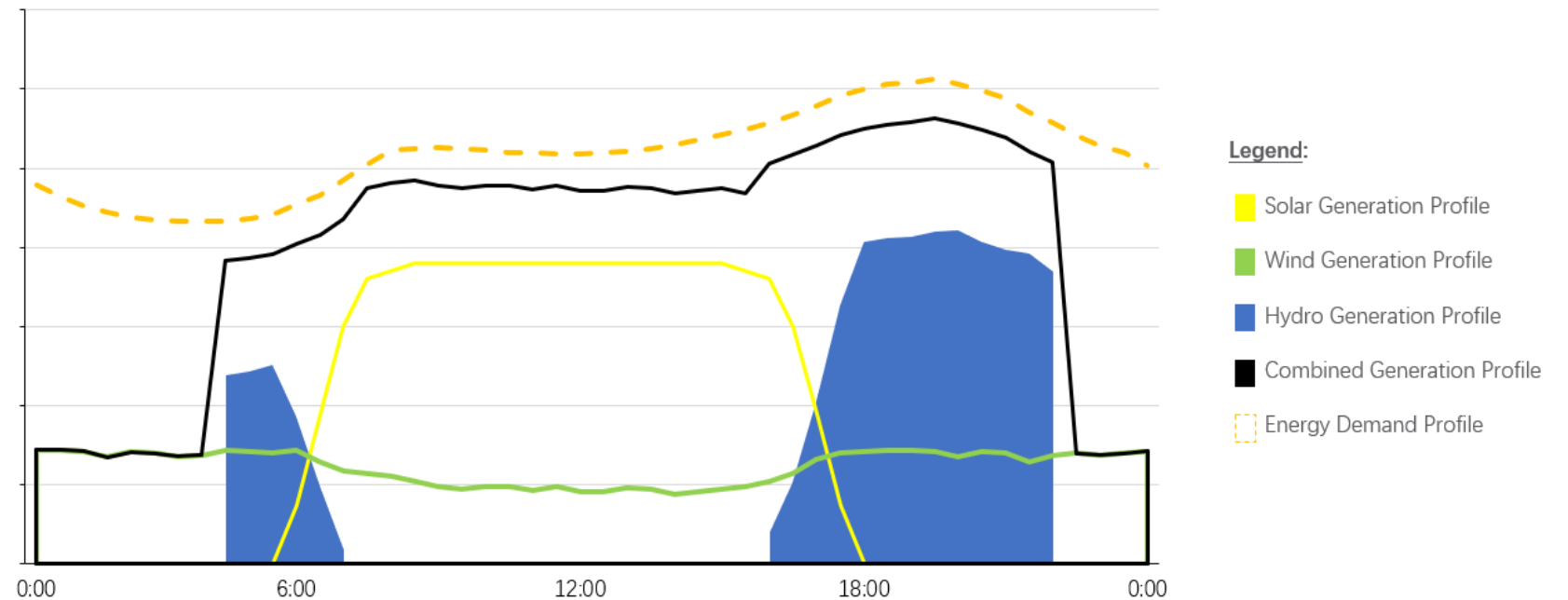
# 150MW Kidston Wind Project

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# 150MW Kidston Wind Project

- Wind generation profile inversely correlated with solar resource
- Integrated hydro generation compensates wind & solar intermittency
- Global first baseload renewable energy project



# Government Support

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- Queensland State Government:

- 20-Year Revenue Support Deed for 50MW Kidston Solar Project - 'Solar 150 Program' (2016)
- Designated the Kidston Renewable Energy Hub as 'Critical Infrastructure' to the State (2017)
- \$150M towards development of 275kV transmission line - 'Powering North Queensland Plan' (2017)



- Commonwealth Government:

- ARENA:

- \$4M in funding to assist feasibility studies for 250MW Kidston Pumped Hydro Storage Project (2015)
- \$8.9M in funding for 50MW Kidston Solar Project (2016)
- Up to \$5M in funding for Kidston Stage Two Projects (2017)



- CEFC: debt financing for 50MW Kidston Solar Project (2017)



- NAIF: Conditional approval for concessional debt financing for Kidston Stage Two Projects up to \$516M (2018)



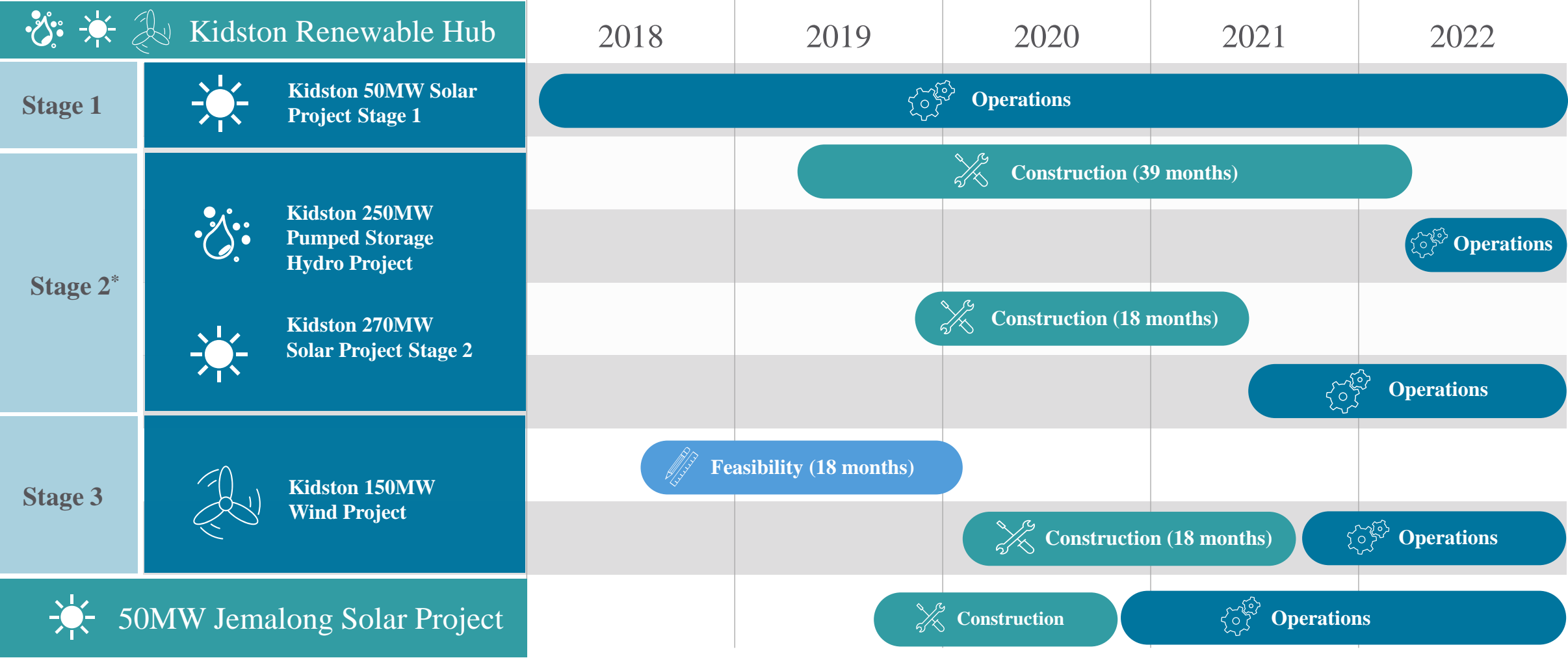


# 50MW Jemalong Solar Project

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# Corporate Timeline



\*Includes the construction of a new 275kV transmission line

# Board & Management

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## **Dr. Ralph Craven (Chairman)**

- Chairman of Stanwell Corporation
- Director of Senex and AusNet Services
- Former CEO and Chairman of Ergon Energy
- Former CEO of Transpower New Zealand



## **Michael Addison (Director)**

- Founder of EndoCoal and Carabella
- Water Engineer with extensive finance experience



## **James Harding (Chief Executive Officer)**

- 30 years experience in international project business.
- Former head of Business Development in Abengoa Solar Power Australia & General Manager of Renewables with IPS Australia and MAN Ferrostaal.



## **Simon Kidston (Executive Director)**

- Founder of EndoCoal and Carabella
- Former banker with HSBC, Macquarie, Helmsec



## **Ben Guo (Finance Director)**

- 13 years finance and accounting experience with PWC, E&Y, Helmsec and Carabella Resources



## **Teresa Dyson (Non-Executive Director)**

- Director of Energy Queensland, Seven West Media & Energy Super, Power & Water Corporation
- Former Partner of Ashurst & Deloitte
- Member of FIRB and Takeovers Panel



## **Yongqing Yu (Non-Executive Director)**

- Engineering background with extensive global hydro experience
- Vice Chairman of Zhefu



## **Arran McGhie (Chief Operations Officer)**

- 20 years experience in senior project management roles for underground excavation and civil construction projects
- Management roles with Lend Lease, John Holland, CPB Contractors and Thiess



## **Craig Francis (General Manager - Commercial Finance)**

- Over 10 years investment banking and finance experience in Australia and the UK focusing on the energy and natural resources sectors



## **Justin Clyne (Company Secretary/Legal Counsel)**

- 15 years experience in the legal sector
- 10 years experience as a corporate governance specialist
- Director and Secretary of a number of listed & unlisted public companies



## **Harrison Holihan (Senior Associate)**

- Bachelor of Science (Psych) – University of Sydney
- Undergraduate Certificate – Oxford University
- Masters in Environmental Science – Harvard University (Active)

# Summary

- **Strong and stable cash flows from 50MW Kidston Solar Project**
  - Cashflow positive
  - 20-year Revenue Support Deed with Queensland Government
- **Pipeline projects (50MW Jemalong Solar Project) to create near term revenue potential**
- **Upside from strategic 250MW Kidston Pumped Storage Hydro Project + 270MW Kidston Solar Project**
  - Commonwealth & State Government focus on energy storage and renewable energy
  - Most advanced energy storage and renewable project in Australia
  - Revenue contracting and project finance discussions underway
- **Positive Outlook**
  - Government focus on energy storage to mitigate rising electricity prices & intermittent renewables



## Contact

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