

# Repower Shoalhaven - Solar Farm

Project Initiation and Outcome.

## The Starting Point.

- 2017 - identified opportunity for community solar farms.
- SCC was also considering a prospective solar farm.
- A group of mainly retirees, commenced investigations and planning
- Repower Shoalhaven had exhausted the market for their roof top offering and agreed join the exploration for a Solar Farm.

## Repower Shoalhaven Incorporated.

Established 2013 as not-for-profit facilitator of renewable energy projects

### **Seven investment schemes developed across 22 sites -**

- Kangaroo Valley Community Centre
- Shoalhaven Heads Bowling and Recreation Club
- Figtree Anglican Church, Nowra City Church
- Anderson's Dairy, Milkwood Café, John Hill Signs, Sth Pacific Roof & Trusses
- Nowra Bowling Club, Eagle Park Dairy, Ogden Timber & Hardware
- Tathra Beach Bowling Club, Sourdough Bakery, Challenge Sthn Highlands, Shoalhaven Hds Golf Club, Chittick Dairy, Campbelltown Preschool
- Hyams Beach, Wonson Timber, Coolamon Shire Council

**Total investment \$1.1m for 0.7MW and 900MWh annual generation**

The logo for Shoalhaven Solar Farm is a dark blue square with a lighter blue circular shape on the left side. The text "Shoalhaven Solar Farm" is written in white, sans-serif font, centered within the circle.

## Shoalhaven Solar Farm

### Background

- Collaboration between Repower Shoalhaven & SCC.
- 4-year journey, 1000's of voluntary hours.
- Commitment from national retailer, Flow Power to finance, build and operate the solar farm.
- Flow Power also committed to purchase entire output for 15 yrs, at pre-determined price.
- JDA between Repower & Flow Power
- Opportunity for Repower members to invest.

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## Shoalhaven Solar Farm

## Who is Flow Power?

- Established 2008 - retailer of 100% renewable energy to the commercial, public authority and industrial sectors
- Strong focus on advising customers on energy demand management linked to market spot prices.
- Canadian Pension Fund is majority investor
- In 2019, Flow Power acquired engineering consulting business Beast Solutions
- Flow Power provides renewable energy to - Sydney Opera House, Westpac, Flinders Port, Snack Brands and the Cities of Sydney, Adelaide & Newcastle

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## Shoalhaven Solar Farm

## Shoalhaven Solar Farm

- 8000 panels generating 4MWdc.
- Cost around \$5million
- Annual generation 5900MWh
- Purchase orders placed for long lead items
- Commercial Operation around January 2022
- 30 yr ground lease with SCC, fully prepaid.
- Year 1 emissions avoided ~5,500 t CO<sub>2</sub>
- Lifetime (30yr) emissions avoided ~74,500 t CO<sub>2</sub>



## Solar Farm – Location

- 5ha in Nowra Hill Road, South Nowra.
- Site identified by a Council staff member.
- Historical use - Sanitary Waste Depot
- Storage site for variety of materials
- Close to 11KV network, of little alternate value & available

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## Shoalhaven Solar Farm

### Related Matters

- SSF electricity will be on-sold through long-term PPA's, creating greater certainty in income stream
- Local public and private sector businesses are a target market.
- City of Sydney is contracting power from project.
- Investment by Repower members is a benefit Flow Power and City of Sydney seek to enable.



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## Shoalhaven Solar Farm

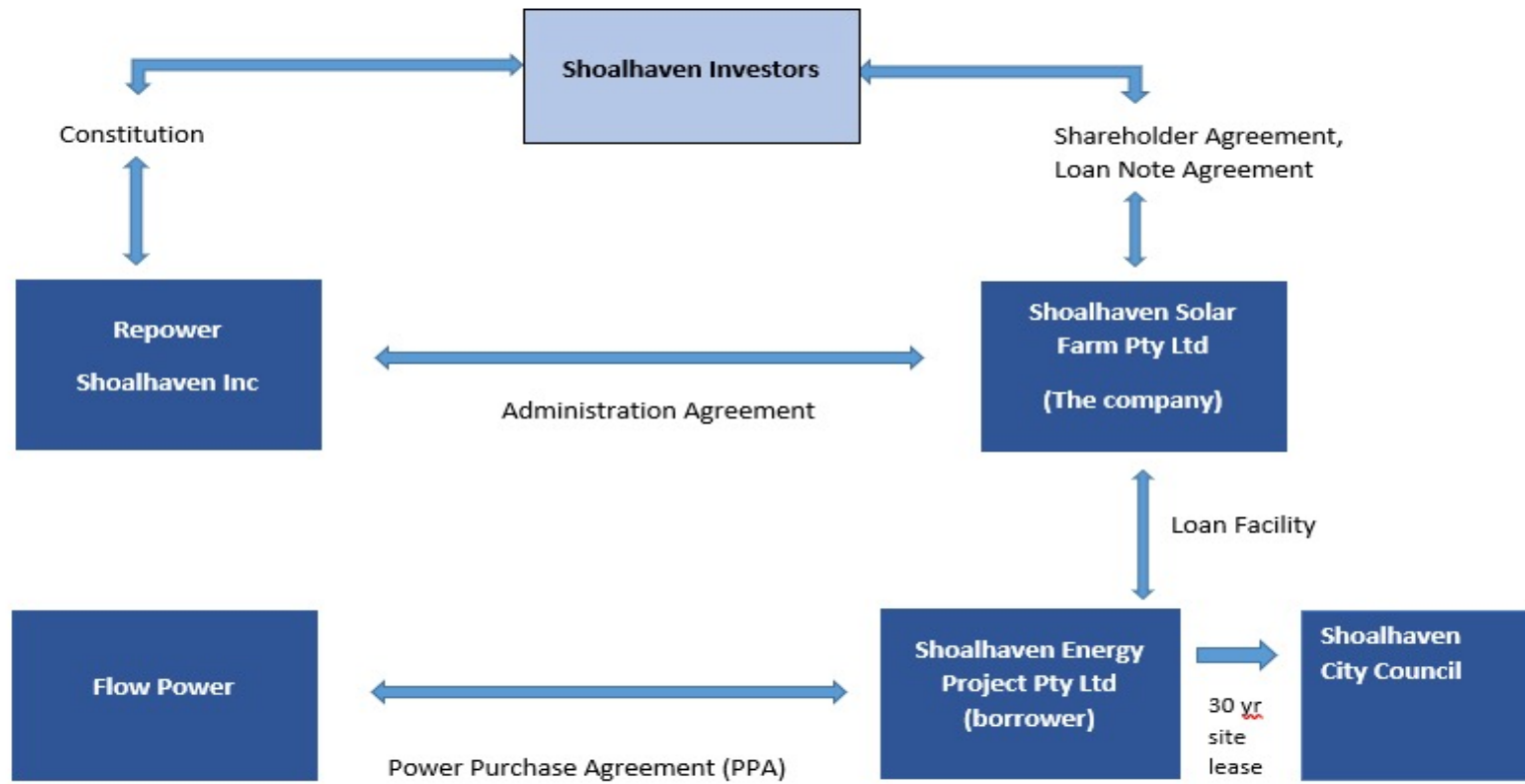
### **Loan Facility – Key Characteristics**

5 year unsecured loan at 5%/annum interest.

Principal and interest paid annually on the anniversary of the Solar Farm commencing commercial operation.

50% of the principal paid in equal instalments over first 4 yrs and 50% paid as a balloon payment in the last year.

### Organisational Relationships



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## Shoalhaven Solar Farm

### Process from here:-

- Objective is to raise \$500,000. The Company shall issue an Information Statement setting out project details.
- Investment is limited to 20 unsophisticated investors.
- The Company will aggregate the investments into the single loan with Shoalhaven Energy Project Pty Ltd
- Repower Shoalhaven will administer The Company and process all distributions, in full, to the investors.
- If interested in the work of Repower then please join us and participate;

**[contact@repower.net.au](mailto:contact@repower.net.au)**