



# Local Vendor Opportunities

Haughton Solar Farm

**E. I. ENGINEERING INTELLIGENCE.**  
That's what we do.



RCR is fully committed to supporting the local community when delivering infrastructure projects in regional areas. RCR is currently partnering with Pacific Hydro to deliver a large scale solar farm under an Engineering, Procurement & Construction (EPC) contract.

Under an EPC contract RCR will be responsible for the detailed design, material supply and delivery, onsite construction, testing and commissioning works. RCR will engage with the local community to register their interest in providing products and services to support the project and construction works.

During this time RCR may request additional information on company capability, products and services and budget pricing to support the tendering phase of the project.

RCR is committed to Aboriginal participation in our projects. We have a long history of operating in Aboriginal communities in the North West of Western Australia and Northern Queensland, both as a project builder and an ongoing service provider, and we have built skills in engaging with local Aboriginal communities, land councils, job seekers and businesses. We will engage with the client and local stakeholders to ensure that we make a positive contribution to the local Aboriginal community around the Haughton Solar Farm.

This document provides an overview on the range of packages and services opportunities that RCR may take to market within the local community to support the construction of Utility Scale Solar projects.

The Pacific Hydro Haughton Solar Farm Project located in Central Queensland has the potential to be up to 500 MW in size and will be built in stages. Stage One has a Maximum Capacity of 100MW. The Project includes an associated 33/275kV Substation and Switchyard connecting to the existing Powerlink 275kV transmission line. The Site is located in the Burdekin Shire Council approximately 20km west from the township of Clare and 42km southwest from the township of Ayr in North Queensland. The Site covers approximately 1181 hectares of flat, currently vacant grazing land.



## Community Focused

### The Project

**Developer:** Pacific Hydro

**Location:** Haughton, QLD

**EPC Contractor:** RCR

**Size:** 100MWac

**Generation:** ~275GWh per year

**Households Powered:** 55,000

**Completion Date:** Jan 2019

### Key Statistics

**Design Details:**

Site area (ha) 1,181

No.: of PV modules ~ 396,198

Structures: Single Axis Tracker

No.: of inverter stations 23

Collector System 33kV

Grid Connection 33/275kV Substation

**Construction:**

Early Works Jan to April 2018

Main Works Start Apr 2019

Main Works End Nov 2019

Peak Direct construction jobs 200



## Supply & Service Opportunities

### Site Facilities

Before construction works can commence, RCR will need to establish temporary site facilities for the project. Typically this will comprise of and require the following:

- Site Offices
- Crib Huts
- Equipment Hire
  - Office Furniture & Equipment
  - Appliance Hire
  - Generators
- Water Tanks
- Plumbing Services
- Carpentry Services
- Communications
- Service Connections

### Security Services

Temporary lighting and site security guard for site access and security patrol. 24/7 services required for the duration of the project.

### Engineering Services

Variety of fabrication, welding and mechanical engineering services, on and off-site.

### Environmental Services

For the duration of the construction period we will require environmental services to provide ongoing monitoring of site activities and monthly reporting to align requirements of Construction Environmental Management Plan (CEMP).

RCR is fully committed to engaging with local suppliers and services when delivering infrastructure projects in regional areas.



### Transportation

Local vehicle hire, 4x4 Twin Cab Utes, 12-16 seater buses and bus services to transport workers from town to site and transport workforce around site.

### Traffic Management

Local vehicle hire, 4 x4 Twin Cab Utes, 12 -16 seater buses and bus services to transport workers from town to site and transport workforce around site.

### Fuel & Water supply

Provision of diesel supply for plant and equipment and potable water for site facilities and grey water for dust suppression.

### Plant & Equipment

Wet and dry hire of plant and equipment will be required throughout the project. Utilisation and duration will vary but the following is a typical list of plant and equipment which may be required.

- |   |                                       |                             |
|---|---------------------------------------|-----------------------------|
| • Utility - Dual Cab ( 4x 4)            | • Excavator 14 & 27 tonne             | • Hiab Trucks               |
| • Truck 10 tonne c/ w Hiab              | • Telehandler R/T - 4.0 tonne / 16.7m | • Rockbreaker               |
| • 10m³ Tipper                           | • Franna - 18.0 tonne                 | • Roller SP 56 and 11 tonne |
| • 25t R/ T Crane                        | • 80T Crane                           | • Side Loader Forklift      |
| • 60t R/ T Crane                        | • Concrete Pump                       | • Tractor                   |
| • ATV c/ w Tray                         | • Dozer                               | • Trowing Machine           |
| • Backhoe Cat248E 69kW                  | • Flex Drive & 50mm Shaft             | • Vermeer's                 |
| • Bobcat / Plate Compactor / Water Cart | • Forklift 5 .0t Rough Terrain 4WD    | • Water Cart 15, 000 L      |
| • Compacting Attachment                 | • Graders                             |                             |

## Supply & Service Opportunities

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### Fencing Supply & Installation

Permanent site perimeter fencing and security / access gates, typically 1-5m to 1.8m galvanised mesh fencing with three rows of barbed wire.

### Landscaping & Rehabilitation Services

Site screening (if required), reseeding and rehabilitation of site post construction.

### Waste Removal & Recycling

Waste removal and recycling of material supply packaging material – cardboard, wooden crates and plastic wrapping/straps.

### Fuel & Water supply

Provision of diesel supply for plant and equipment; potable water for site facilities and grey water for dust suppression.

### Material Supply

The following materials will be sourced locally throughout the duration of the project:

- Quarry Material
- Concrete
- Sundry - Electrical & Structural
- Safety Equipment
- Office Supplies

### Site Investigation & Testing Services

A variety of site investigations and site tests will be needed to be conducted during detailed design and construction phases of the project requiring the following services:

- Site Surveying
- Geotechnical Investigations
- Compaction Testing Services
- Soil Resistivity & Thermal Testing

### Civil Works

Works required may include:

- Site Clearing and Grubbing
- Tree Removal and Mulching
- Grading
- Roads & tracks
- Drainage
- Asphaltting
- Spoil Removal & Disposal

### Labour Hire / Other

To supplement the project management team and blue collar workforce, RCR will be looking to recruit local labour including:

- Construction Management - Electrical, Civil & structural
- Supervision - Electrical, Civil & Structural
- Administration
- Electrical Trade Assistants
- Plant and Machine Operators
- Civil Labourers
- General Labourers
- Storemen / Forklift Operators
- Cleaners / Cleaning Services

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## Infrastructure

Leading provider of renewable energy, rail, transport, telecommunication, water, electrical and instrumentation, HVAC, property services and facilities management solutions

## Energy

Technology leader in power generation and energy plants

## Resources

Engineering, procurement, construction and maintenance expertise for the mining, oil & gas and industrial sectors. Technology leader for surface mining and bulk materials handling

## Request a Supplier Pre-Qualification Survey

Local Vendors can request a Pre-Qualification Survey by contacting [Haughton.EOI@rcrtom.com.au](mailto:Haughton.EOI@rcrtom.com.au), nominating the package of works you would like to express interest in.