

PROJECT EXPRESSION OF INTEREST	
Project Title.	SecureEnergy – Project EnergyConnect (PEC)
Project Description.	<p>SecureEnergy has partnered with TransGrid (electricity transmission operator in New South Wales (NSW) and ElectraNet (electricity distributor in South Australia (SA) are currently investigating the proposed construction and operation of a new electrical interconnector and network support options between NSW and SA.</p> <p>The interconnector is aimed at reducing the cost of providing secure and reliable electricity transmission between NSW and SA in the near term, while facilitating the longer-term transition of the energy sector across the National Electricity Market (NEM) to low emission energy sources.</p> <p>The current preferred option involves constructing a high voltage electricity interconnector of approximately 900 kilometres between the power grids of SA (starting at Robertstown) and NSW (finishing in Wagga Wagga), known collectively as Project EnergyConnect.</p>
Opportunity Title.	Tower Foundations and pilings along Overhead Transmission Lines
Opportunity Description.	<p>Supply and install Site Pilings for Tower Foundations</p> <p><u>TOWER FOUNDATIONS SOW.</u></p> <p>Work Included</p> <p>Overview</p> <p>The Work Included comprises but is not necessarily limited to the following: boring and pile installation activities including installation of cast-in tower connections (stubs, mast pin and guy anchors) to allow construction of foundations as shown in the design drawings and specifications and to the requirements of this scope of works;</p> <ul style="list-style-type: none"> • Provide all plant, equipment, labour, tools and materials required to carry this scope of works taking into consideration work may take place on multiple work fronts at any one time. • Prior to mobilisation to site provide a work procedure including type of plant and equipment to be used and demonstrate its suitability to perform the works to specification and to an agreed schedule of progress. Proposed plant shall be capable of excavation installation of piles up to 20% deeper than the design depths (diameter 750mm to 3500mm, depth up to 20 metres). • Provide, mobilise to site and de-mobilise from site, all necessary plant and equipment and experienced personnel to perform the works including excavation, permanent pile

liner installation (as required by ground conditions), placement of reinforcement steel, installation of formwork, installation of stub, mast pin and guy anchors, and concrete placement,

- Undertake works including excavation, permanent pile liner installation, placement of reinforcement steel, concreting, concrete vibration, installation, preparation and stripping of formwork, and installation of stub, mast pin and guy anchors, verification testing,
- Manage the measuring, booking, release, placement and testing of concrete,
- Provide all survey required for the piling activities beyond the initial pile set out,
- Travel costs, for crew leaving and returning from R&R leave,
- Daily transport of the Subcontractor’s crews to and from the accommodation facilities to work fronts / sites,
- Transport of Contractor supplied fuel from laydown areas to the Subcontractor’s work front,
- Diesel fuel will be made available through a Secure Energy supplied bowser at each camp laydown. Access will be by pin code and electronic fob, an electronic record of fuel discharged through the bowser will be recorded against the fob. Subcontractors is to nominate responsible personnel and the number of fobs required for the duration of the works. Secure Energy will maintain a record of this information and will back charge Subcontractor for fuel used, stockpiling of excavated soil adjacent to the work platform as directed,
- Where acid sulphate soils are encountered treat the excavated soil with hydrated lime as it is placed in the stockpile. The hydrated lime will be provided to the Subcontractor free of charge, Subcontractor to manage the transport of Hydrated lime from Laydown to tower,
- Provide mobile/transportable crib to suit the Subcontractor crew size. Provide cleaning and disposal of waste to maintain appropriate standard of cleanliness and hygiene as well as follow COVID-19 cleanliness guidelines set by the Contractor under the guidelines of the State and Federal government guidelines. Provide for relocation of these facilities as the crew moves between sites,
- Record, compile and submit piling/drilling records as specified,
- Provide all engineered safety barriers and hinged hole covers to ensure the work areas are safe for access by persons, livestock and other fauna. Holes are to remain covered until such time that concrete fills the pile completely,
- All personnel must be suitably trained and competent to conduct the works. Valid High-Risk licenses and Verification of Competency (VOC)’ issued by Registered Training

Organisation as well as all other relevant tickets (WHS White Card etc.) are to be presented prior to the mobilisation stage. Depending on their roles within the project Transgrid will have their own mandatory training and licencing requirements, which need to be fulfilled at the subcontractor's own cost.

- All supervision to suitably qualified and experienced to ensure works within the contract are conducted within SecureEnergy and Transgrid's WHS, Environmental, Quality requirements,
- Additional training may be delivered to the subcontractors by SecureEnergy, the time for the training will be at the subcontractor's expense.

Testing

Design Tests are to be carried out in at least one location for each commonly used soil classification type encountered along the line route. Specialist non-standard foundation designs in particularly poor soils may also require uplift and or compression testing to justify design parameters used, subject to formal request from the Employer.

Test foundations should be installed to full scale of the proposed foundation design dimensions and shall be tested to a minimum of 100% of the ultimate design loads and preferably to failure, following a load pattern, load sequence and test duration as defined in IEC 61773.

A minimum of 1% of piles be subject to static load testing (Tension).

Of these 1% of pile load tests, 10% must be sacrificial piles tested to failure and the remainder can be production piles tested to at least 1.5 times the serviceability tension load.

Sacrificial tests piles cannot be used to support the permanent structure.

Concrete management

Contractor to supply Subcontractor concrete at \$ 375 per m³. Subcontractor will be charged for all cubes of concrete ordered.

Subcontractor is responsible for providing Contractor and Batch Plant a 3 week look ahead updated weekly and 2-day forecast updated daily.

Subcontractor is responsible for handling and disposal of all concrete wastage.

Subcontractor is responsible for the construction and removal of concrete washout bays.

Work Excluded

The scope of supply excludes the following:

	<p>a) Construction of level Piling pads b) Initial Survey set out of pile and off-set c) Supply of Stub, ground anchor points for guys, and mast pins d) Supply of Concrete and testing (Slump and Compressive strength testing of the concrete) e) Supply of hydrated lime f) Final remediation of site</p>
<p>Supplier Requirements.</p>	<ul style="list-style-type: none"> • SecureEnergy require suppliers that: • This SOW consists of the provision of all overheads, management, supervision, labour, plant, temporary materials, Survey (excluding initial set out), permanent materials, tools, consumables, personal protective equipment, mobilisation, demobilisation, supplies and services required to carry out the Piling Work. • Have a demonstrated track record of providing Tower Foundations for a Tier One or Tier Two Contractor or above. • Have the required government or industry certifications, licenses, associations and/or insurances to deliver the opportunity. • Have an exemplary safety record and a documented management system for tracking safety performance. • Are financially viable and can demonstrate commercial value. • Can demonstrate a strong commitment to training and retaining a local workforce. • Have an excellent track record in employing and progressing the careers of Indigenous people. • Are progressively finding ways to develop the careers of women, veterans and people with disabilities. • Treat the environmental they are working in with respect and consideration.
<p>Health and Safety</p>	<p>SecureEnergy encourages suppliers who can provide any evidence of Health and Safety (HSE) statistics and/or Lost Time to Injury (LTI) statistics.</p>
<p>Similar Experience</p>	<p>SecureEnergy encourages suppliers to provide case study examples of projects they have undertaken that are similar to the scope for SecureEnergy on Project EnergyConnect (PEC)</p>

<p>General Information.</p>	<p>SecureEnergy will consider all ICN Registrations where:</p> <ul style="list-style-type: none"> • The business demonstrates through their response a clear capability against the key requirements. • The business completes a response to all SecureEnergy questions and/or SecureEnergy documentation. • The businesses ICN profile is up to date and complete. • The registration is complete prior to any closing date. • The business operates in Australia and is a registered Australian business. • The Business has an Indigenous staffing component in line with Federal Indigenous Procurement Policy and/or NSW State Aboriginal Procurement In Construction.
<p>Local Content</p>	<p>SecureEnergy strongly encourages businesses who have head offices and/or dedicated premises with the appropriate Local Government approvals from the following regions:</p> <ul style="list-style-type: none"> • Balranald Shire Council • Edward River Council • Federation Council • Hay Shire Council • Lockhart Shire Council • Murrumbidgee Council • Murray River Council • Wagga Wagga City Council • Wentworth Shire Council <p>Furthermore, SecureEnergy strongly encourages Aboriginal and Torres Strait Islander businesses to submit applications.</p>
<p>Notes</p>	<p>SecureEnergy will obtain ongoing reporting from ICN on a regular basis.</p> <p>SecureEnergy will review all registrations, noting that any incomplete registration will be excluded from consideration.</p> <p>SecureEnergy highly values businesses that can demonstrate performance in line with the Indigenous Participation Plan of 2.5% indigenous employment.</p> <p>Further involvement may range from a request for a follow up meeting; request to prequalify, through to request for tender.</p>

	<p>Submitting a registration of interest does not guarantee that the supplier will be selected for prequalification or tender opportunities.</p>
--	--