



Crudine Ridge Wind Farm

CCC Presentation September 2017



Agenda

- Introductions
- Project update
- Community Enhancement Fund
- Pre-construction
 - Determining a Final Layout
 - Visual and Noise Mitigations
 - Management Plans
 - Road Upgrades
 - Aviation Obstacle Lighting
- Timeline to construction

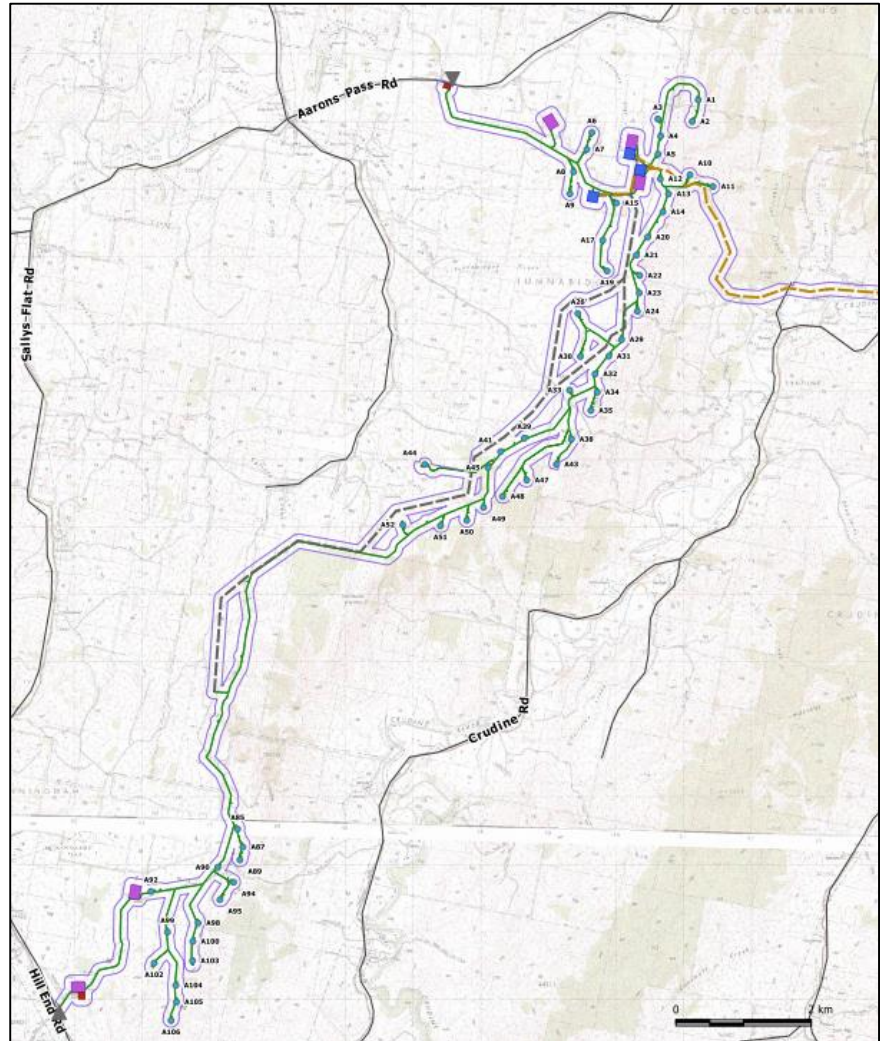


Community Enhancement

- The Project will support community enhancement programs in Midwestern Regional Council (MWRC) and Bathurst Regional Council (BRC) via Voluntary Planning Agreements (VPAs).
- VPAs were endorsed by both Councils on August 16 at their general meetings, after 28 days of public exhibition.
 - *MWRC: \$1,250 per megawatt (MW) per annum as installed at the development within the Mid-Western Regional Council local government area over the operational life of the development*
 - *BRC: \$1,250 per megawatt (MW) per annum as installed at the development within the Bathurst Regional Council local government area over the operational life of the development*
- **Contributions are expected to exceed \$160,000 every year across the two Council areas, for the life of operation.**
- The funds will be contributed to Councils community fund and administered by Council in accordance with the Community Plans.
- The agreement does contain a commitment to manage and distribute the Development Contribution Amounts towards funding community projects in the area surrounding the site of the Development on the Land.

Determining a Final Layout

- The Project is yet to finalise the construction layout for the wind farm.
- Currently the Project is engaged in detailed design, commercial and contracting negotiations, and until those are finalised, the layout can not be confirmed.
- The Project will consist of up to 37 turbines at the locations approved by the Commonwealth and NSW governments.
- Ancillary infrastructure such as roads, powerlines, construction compounds, batch plant, substation, switching station and O&M facilities will be constructed in accordance with the planning locations and micrositing allowances.
- A micrositing allowance of 100m is permitted for all project infrastructure in the Development Consent.
- Once the layout is confirmed, the Project will notify key stakeholders including the CCC.



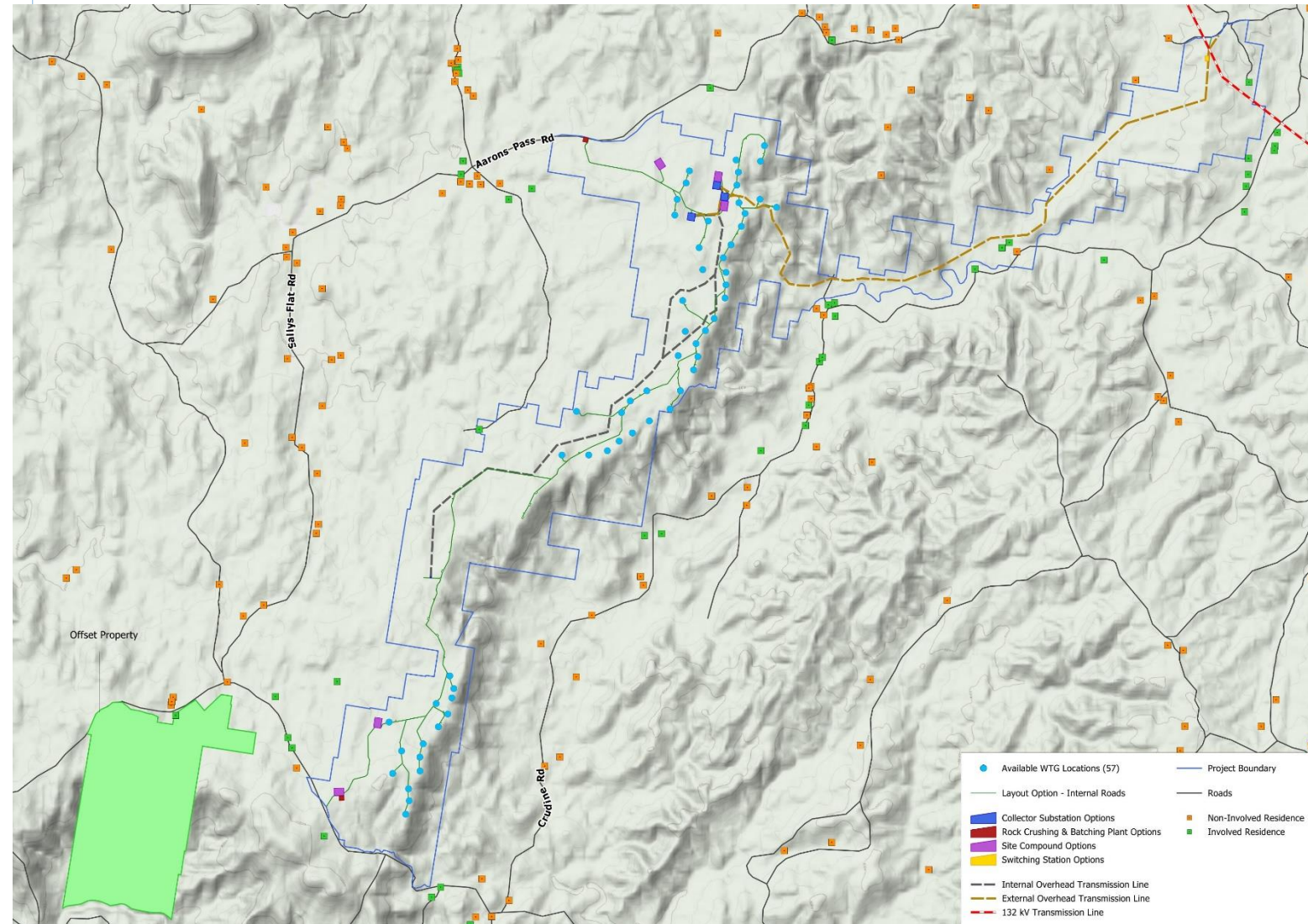
Approved Project Infrastructure

57 locations shown here are available to select the optimal generating layout.

Up to 37 turbines will be constructed and operated.

Ancillary infrastructure options are also identified on the plan.

A micro-siting allowance of 100m is permitted for all infrastructure, subject to conditions.



Visual and Noise Impacts

- On the basis of a 37 turbine layout, visual and noise impacts are expected to reduce significantly for neighbouring properties.
- Once a final layout is determined, visual and noise impacts will be re-evaluated for all residences identified as high, moderate and low in the Development Consent, and those within 4km of a wind turbine.
- Entitlements to visual screening will remain based on the approved conditions, our updated noise and visual assessments will assist in demonstrating a reduced impact and inform the landowners.
- The Development Consent identifies six residences which are entitled to request acquisition by the Project, within 5 years of the commencement of construction.

Acquisition Basis	Land	Cluster
Visual Impact	CR33, CR34	Sallys Flat (Turbines A61 to A106)
Visual Impact	CR15, CR18, CR24, CR41	Pyramul (Turbines A1 to A58)

- Each of these residences has been notified of their entitlements. Once a final layout is determined the owners will be notified of the anticipated impacts and consulted regarding their preference in relation to acquisition.
- Two of the residences, CR15 and CR41 (on a single property) have been acquired at the request of the owners. The Project was able to facilitate a property transaction to satisfy the owners so that they could move into a new property. CR15 and CR41 are now under a Neighbour Agreement.

Management Plans

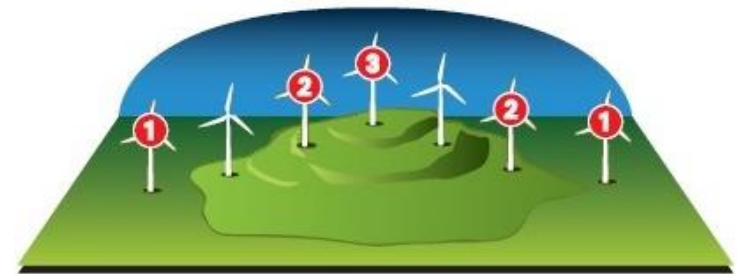
- Prior to the commencement of construction, the Project is required to prepare:
 - Environmental Management System
 - Biodiversity Management Plan
 - Aboriginal Heritage Management Plan
 - Transport Management Plan
- These management plans have been prepared by qualified and experienced consultants in each field and submitted to the relevant agencies for review and approval.
- The management plans address the requirements of both the NSW and Commonwealth approvals.
- Once the management plans are approved they will be published on the Project website.

Transport and Road Upgrades

- The Project is currently engaged with MWRC regarding the upgrade of Aarons Pass Road and Bombandi Road, in accordance with the Development Consent.
- The upgrade works will be undertaken by MWRC Works Department.
- Design work is currently underway to provide the required specifications and schedule for the road upgrades.
- Traffic Control Plans will be developed in consultation with Council based on the agreed program for the upgrades.

Aviation Obstacle Lighting

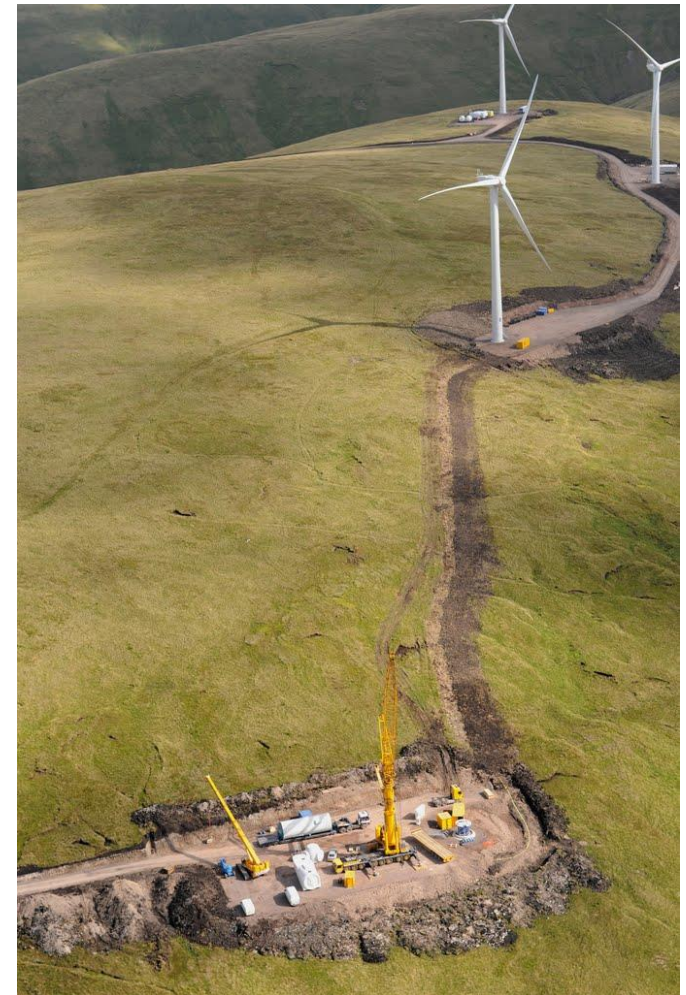
- The Development Consent requires that Aviation Authorities are consulted about lighting requirements, and notified of final turbine locations.
- Civil Aviation Safety Authority (CASA) invariably recommends obstacle lighting for wind farms with turbines in excess of 152m height.
- A draft Aviation Lighting Assessment has been prepared to define an Obstacle Lighting Plan which identifies up to 19 turbines which require obstacle lighting.
- Lighting would be:
 - steady, red, medium intensity obstacle lighting
 - shielded from emitting downwards (i.e. uplighting)
 - in accordance with the requirements of CASA MOS 139
 - operated at night and during periods of low visibility



Linear configuration

Timeline to Construction

- VPAs - Endorsed by Council
- Management Plans - Submitted for Review
- Road Upgrade Design - Underway
- Construction contracting - Underway:
 - Wind Turbine Supply
 - Balance of Plant Contract
 - Switching Station Contract
- Grid Connection Agreement – Q4/Q1
- Due Diligence and Financing – Q4/Q1
- Detailed Design – Q4/Q1
- Pre-construction Minor Works – Q4/Q1
- Construction to commence - Q1/Q2 2018





Questions and discussion

