



12 March 2021

Department of Planning, Industry and Environment  
Western Sydney Aerotropolis Precincts Submission  
Parramatta NSW 2124

Dear Planning Partnership

## **Western Sydney Aerotropolis Precincts Plan**

Thank you for the opportunity to comment on the Western Sydney Aerotropolis Precinct Plans.

We welcome the release of the Western Sydney Aerotropolis Precinct Plans as it has provided more certainty the land use for priority precincts. Endeavour Energy shares in the vision for the Aerotropolis as a highly connected, economic powerhouse in Western Sydney.

### Collaboration

Endeavour Energy supports all activities to improve coordination and collaboration in planning for the Western Parkland City.

Endeavour Energy is part of multi-utility partnership with Sydney Water and Jemena, working together to coordinate planning, design and delivery of infrastructure for the Aerotropolis area.

We are an active member of the Utilities Collaboration Working Group for the Western Parkland city which also includes other key utilities, DPIE and Transport for NSW. The group is working constructively together on a number of initiatives to achieve common goals for infrastructure delivery such as identifying common corridors and coordinating trunk utilities.

Endeavour Energy supports the investigations by WPCA to explore innovative ways to develop multi-utility corridors for trunk infrastructure in future.

We are collaborating with some major developers to explore ways delivering innovative energy infrastructure solutions in greenfield precincts which renewable generation and energy storage.

### Northern Gateway Precinct

Endeavour Energy plans to undertake significant investment in a 22.5km long, underground sub-transmission feeder to provide the Western Sydney Aerotropolis Growth Area's primary power supply. It will enable connection for future zone substations that are planned to enable supply to the Northern Gateway, Agribusiness, Aerotropolis Core Precincts as well as major customers such as the metro line and Western Sydney Airport.

The uncertainty in plans for the upgrade of Luddenham Rd directly impacts the timely delivery of the Aerotropolis transmission power supply at least cost to the community.

Endeavour Energy has commenced design work on this critical infrastructure in collaboration with our multi-utility partners, Sydney Water and Jemena. Our proposed underground feeder traverses the highly urbanised Northern Gateway Precinct along Luddenham Rd, which is subject to a future upgrade by TfNSW.

While Luddenham Rd is not expected to be upgraded within the next five years, the specifications for this road upgrade (alignment and elevation) represent critical advice necessary for infrastructure to be placed in its permanent location.

It would be ideal to expedite designs for the Luddenham Rd upgrade, as a prolonged lack of clarity on the road upgrade may necessitate the delivery of a temporary power supply that the NSW Government would later have to relocate at significant expense.

#### Elizabeth Drive

The Utilities Collaboration Group Elizabeth Drive. While the priority for road infrastructure is the M12, the future design of Elizabeth Drive is still unknown creating issues for any linear infrastructure that is currently scheduled to be installed before the future road corridor is acquired or designed.

It is important that the Utilities Collaboration Group continue to coordinate on other corridors where there are multiple trunk utilities planned in future.

#### Joint Planning with Transgrid

Endeavour Energy and Transgrid are working collaboratively together to jointly plan for growth in the Aerotropolis.

In this submission we would also like to take the opportunity to provide an update to Table 8 (High level infrastructure requirements for initial projects). Endeavour Energy is currently undertaking joint planning with TransGrid in relation to the construction of a new bulk supply point that will benefit the whole of the Aerotropolis precinct. The location of the new bulk supply point (to be jointly decided with TransGrid) has not been determined yet, and options currently under consideration include TransGrid's existing substation at Kemps Creek (an upgrade to their existing substation).

Our suggested update for Table 8 is attached to this letter.

We look forward to continuing to support DPIE in planning for the Western Sydney Aerotropolis.

Should you require any additional information, please do not hesitate to contact me directly ( [REDACTED] or [REDACTED] ).

Yours sincerely



Jason Lu

**Network Planning Manager**

**Asset Planning & Performance**

**Attachment:** Recommended changes to Table 8

	<b>Aerotropolis Core, Badgerys Creek, Wianamatta-South Creek</b>	<b>Northern Gateway</b>	<b>Agribusiness</b>
Electrical	<p>Endeavour Energy has proposed to build a new zone substation within the Aerotropolis Core to cater for the initial demand and is to undergo a Regulatory Investment Test. Longer-term supply can be sourced from a new bulk supply being jointly planned by Endeavour Energy and TransGrid to supply the area. <del>being constructed in the Agribusiness precinct near the Airport.</del></p> <p>Within the Badgerys Creek precinct, Endeavour Energy are looking to locate the proposed zone substation north of Elizabeth Drive.</p>	<p>Endeavour Energy is responding to early growth in the Northern Gateway Precinct by developing a new 132kV feeder and potentially two zone substations.</p>	<p>Endeavour Energy is has plans to build a 132kV feeder through the Agribusiness lands. This will facilitate incoming supply for a zone substation proposed for this area.</p> <p>TransGrid and Endeavour Energy area also jointly considering the Agribusiness lands as a potential location for a new Bulk Supply Point to service the whole of the Aerotropolis precinct. However, another location at TransGrid's existing Kemps Creek Substation is also being considered for this Bulk Supply Point.</p> <p><del>TransGrid and Endeavor Energy in joint planning are proposing to build a bulk supply point (BSP) in the Agriculture / Agribusiness zone (subject to detailed planning). The BSP is to be located close to the Airport and may serve as the feeding point for both the Airport as well as the Agribusiness Precinct.</del></p>