

BRISBANE AIRPORT ELECTRIC BUS CHARGING STATION

TIMING: COMPLETION APRIL 2019
INVESTMENT: \$3 MILLION



PROJECT UPDATE 2
SEPTEMBER 2018

Brisbane Airport Corporation (BAC) is investing \$3 million delivering a dedicated, purpose built facility for the parking, maintenance and charging of the new electric bus fleet.

BACKGROUND AND BENEFITS:

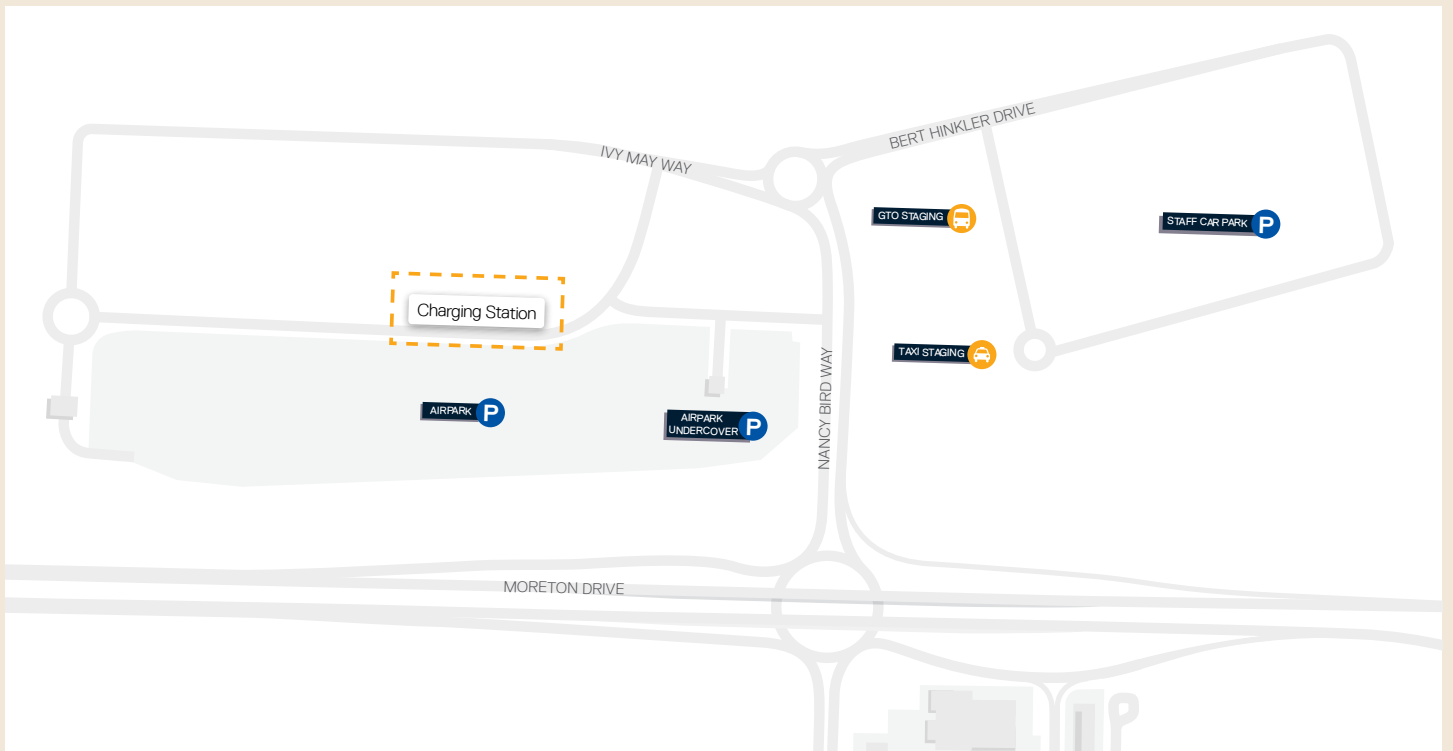
As part of an ongoing commitment to environment and sustainability, BAC operates a fleet of 11 electric buses for the landside transport operations within the airport precinct. The operation of the buses requires a dedicated base location both for maintenance and charging.

Work began off Ivy May Way close to the existing AIRPARK in February 2018 and when complete in April 2019 will deliver:

- ◆ New hard-stand bus parking facility (completed)
- ◆ Eight new electric bus charging stations (completed)
- ◆ New bus maintenance facility
- ◆ New bus cleaning facility
- ◆ New office building

Environmental benefits of the project include:

- ◆ 100 per cent electrically charged buses; zero tail pipe emissions
- ◆ Reduction of 250 tonnes of carbon emission each year, equivalent to taking 100 cars off the road
- ◆ Driving range of 600 kilometres on a single battery charge
- ◆ Reduced noise pollution
- ◆ Engineered office building roof designed to maximise rainwater harvesting
- ◆ Engineering structural design to support solar generation
- ◆ Bio-retention basin to capture and treat storm water runoff for the facility before it is discharged in the stormwater drainage system
- ◆ Improved local air quality (less smog) compared to similar local buses



PROJECT STAGING:

The work will be carried out in two stages:

- ♦ **Stage 1:** March to July 2018: Delivery of a hard-stand to accommodate battery operated buses that will be charged and operated from the site. This includes eight electric bus chargers, bus parking bays, staff parking bays, power and site lighting.
- ♦ **Stage 2:** August 2018 to April 2019: Delivery of a building design that supports the operation, maintenance and management of the buses and staff. This includes staff offices, bus maintenance workshop, high pressure washing bays, storage areas and electric charging station.



CHANGES TO NOTE:

- ♦ More construction traffic on AIRPARK slip-roads, Ivy May Way and Nancy Bird Way
- ♦ More construction workers on site

OPERATIONS MANAGEMENT:

- ♦ Site access will be off Ivy May Way
- ♦ Traffic will be monitored throughout the works
- ♦ Traffic management plans will be in place throughout the works
- ♦ Regular project updates are planned to keep stakeholders informed