



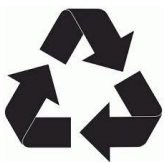
# BOTANY RAIL DUPLICATION SUSTAINABILITY FACT SHEET



The Botany Rail Duplication is duplicating the remaining 2.9km section of single line track into Port Botany, allowing freight to be moved more efficiently. The project will increase capacity on the Botany Line and wider Metropolitan Freight Network, with one train able to move around the same amount of containers as 54 trucks. This will encourage a shift in freight from road to rail, helping to reduce truck movements and associated traffic congestion.

The project is being delivered with sustainability front of mind to ensure we maximise environmental, social, and economic benefits, while minimising impacts. This fact sheet explains what is being done to ensure sustainability outcomes are achieved on the project.

### WHAT IS SUSTAINABILITY IN INFRASTRUCTURE?



Recycle



Renewable energy



Reduced carbon



Community

Sustainable infrastructure projects are those that are planned, designed, constructed, and operated in a manner that ensures economic and financial, social, environmental (including climate resilience) and institutional sustainability over the entire infrastructure life cycle. In practice, this means reducing our footprint by using less energy, water and materials, while also creating jobs and engaging with the community.

HOW WE ARE REDUCING OUR ENVIRONMENTAL FOOTPRINT

The Botany Duplication Project has prioritised selection of sustainable materials, including reusing fill material generated from the M6 Motorway Stage 1 project, using materials with recycled content, and adopting materials that are verified by an Environmental Product Declaration – including concrete, aggregates, pipes and ducts. These initiatives, along with the ones listed below help to reduce the embodied carbon of the project, with the project targeting a >25% reduction.

The project is targeting a >25% reduction in greenhouse gas emissions compared to a base case footprint.

WATER REUSE

- Natural resources such as water require protection. On this project, we have sought to minimise water use as much as possible by harvesting rainwater, using soil binders for dust suppression, and reusing water captured onsite during construction activities.

WASTE MANGEMENT

- Minimising the amount of waste sent to landfill by reusing onsite (where possible) and recycling. To date, the project has recycled 98% of construction waste, equating to approximately 5,000 tonnes of waste diverted from landfill.

CARBON EMISSIONS

- We have worked to reduce carbon emissions generated by offsetting electricity use with Green Power, using alternative fuels such as biodiesel, and adopting efficient methodologies for delivery of construction activities.

INFRASTRUCTURE SUSTAINABILITY RATING

We are seeking to achieve an Infrastructure Sustainability (IS) Rating for the project through the Infrastructure Sustainability Council (ISC). The IS Rating process provides a measure of best practice performance in relation to sustainability for infrastructure projects. The Botany Rail Duplication project is required to achieve an 'Excellent' rating score of >65 and in late 2023 we have been finalising the IS Rating Design submission for verification.



**131 450**  
**Translation and Interpretation Services**  
 Please call 131 450 and ask them to call the project team on 1300 550 402.

**Bengali**  
 অনুবাদ এবং মৌখিক পরিষেবা - অনুগ্রহ করে 131 450 নম্বরে টেলিফোন করে প্রজেক্ট টিম-কে 1300 550 402 নম্বরে কল করার জন্য অনুরোধ করুন।

**Chinese Simplified (Mandarin)**  
 翻译与传译服务 -- 请致电131 450，然后请他们致电项目团队 1300 550 402。

**Chinese Traditional (Cantonese)**  
 翻譯與傳譯服務 -- 請致電131 450，要求聯絡項目團隊，電話 1300 550 402。

**Greek**  
 Υπηρεσίες Μετάφρασης και Διερμηνείας - Παρακαλείσθε καλέστε το 131 450 και ζητήστε τους να καλέσουν την ομάδα έργου [project team] στο 1300 550 402.

**Indonesian**  
 Layanan Penerjemahan dan Juru Bahasa -Silakan menelepon 131 450 dan minta untuk menelepon tim proyek di nomor 1300 550 402.

**Spanish**  
 Servicios de Traducción e Interpretación - Llame al 131 450 y pídale que llamen al equipo de proyectos, en el 1300 550 402.



WANT TO KNOW MORE?

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