

Sydney Airport

Master Plan 2045

SYD



Acknowledgement of Country

Sydney Airport acknowledges the Dharawal People of Coastal Sydney who are the Traditional Custodians of the lands, waterways and skyways where we work and live. We pay our respects to them, Elders past and present, and to other Aboriginal and Torres Strait Islander peoples who have made this area their home. We recognise the continuation of cultural, spiritual and educational practices of First Nations peoples throughout Australia.



DISCLAIMER

This Master Plan has been prepared by Sydney Airport Corporation Limited (SACL) ACN 082 578 809 for the purpose of satisfying the statutory requirements of the *Airports Act 1996*. Whilst every care has been taken in preparing this document, SACL makes no representation or warranty as to the accuracy or completeness of this document, any information in it, or the likelihood of any future matter. No person should act in reliance on any information provided in, or omitted from, this document or any other written or oral information or opinions provided in connection with this document. SACL accepts no responsibility or liability whatsoever to any person who relies in any way on information contained in this Master Plan (including making any decision about development or any other activity on or off Sydney Airport).

Sydney Airport would like to thank our Master Plan photographer, Kurt Ams.

Foreword

I'm proud to present Sydney Airport's Master Plan 2045, our long-term vision for how the airport will grow and evolve over the next 20 years.

Sydney Airport is more than just a transport hub. It's where holidays begin, where families reunite, where business happens, and where cultures connect. With over 50 airlines linking Sydney to more than 100 destinations around the world, we are Australia's gateway to the globe, and one of the country's most iconic pieces of infrastructure.

While we connect the world to you and you to the world, we also play a significant role in the economy, generating \$45.3 billion in annual activity and supporting jobs, tourism, and development across NSW and Australia.

Planning for our future means ensuring the airport continues to serve you, our communities, passengers and partners, safely, efficiently, and sustainably.

A lot has changed since our last Master Plan in 2019. The aviation sector, and the world, has faced some of the most challenging times in recent memory. These experiences have demonstrated the importance of staying flexible, responsive, and resilient. That's exactly what this plan is designed to do.

By 2045, we expect to welcome more than 72 million passengers annually, representing 79% of the total forecast for major airports in Sydney. Meeting this growing demand, while continuing to provide a world-class experience, is no small task. That's why we've set ambitious goals across our operations, with a focus on safety, accessibility, customer service, and environmental performance. These efforts are expected to contribute an estimated \$70.6 billion annually to the economy by 2045.

Our Master Plan details how we'll improve and expand our terminals, airfield, ground transport and commercial offerings, ensuring the airport continues to evolve with the needs of our community and passengers. It also includes our new five-year Airport Environment Strategy, which will fully integrate environmental goals into our long-term planning. This reflects our strong commitment to reducing emissions, building climate resilience, and operating more sustainably.

We know that how we operate has a real impact on traffic, local amenities, jobs, and the environment. That's why we're working closely with our airline partners, industry stakeholders and, most importantly, with you. We want this to be a plan that reflects your priorities and helps shape a future that benefits everyone.

Sydney Airport has proudly served as Australia's gateway for over 100 years. As we look ahead, we want to ensure that we continue to grow in a way that reflects your needs, values, and expectations. We look forward to working with you as we plan for the future, together.



Scott Charlton
Chief Executive Officer



A wide-angle photograph of two Spirit of Australia aircraft parked at an airport gate. The aircraft are white with maroon and white tail fins. The Spirit of Australia logo is visible on the fuselage. In the background, the Rydges Hotel is visible, a multi-story building with a curved facade. The image is overlaid with a blue gradient and a bright sunburst effect on the right side.

1	Introduction	2	1	Introduction	16	Aviation sector decarbonisation trends	38	7	Development Plan overview	66	
	Vision	3		Legislative framework	17	Climate resilience at Sydney Airport	40		Key achievements since approval of Master Plan 2039	67	
	Development Objectives	3		Requirements for an airport master plan	18	Climate scenario analysis	40		20-Year Airport Development Plan summary	70	
	Developing Master Plan 2045	4		Master plan process	18	Summary of climate model projections for Sydney Airport’s relevant climate-related physical risks	41		Airport sectors	70	
2	Airport Development Plan	5	2	Vision for Sydney Airport	20	5	Stakeholder and community engagement	44	8	Terminal Development Plan	74
	Terminal Development Plan	6		Key considerations	22		Consultation and preparation of Master Plan 2045	44		Potential terminal developments	75
	Airfield Development Plan	6		Development objectives	22		Stakeholder and community engagement for future development proposals	46		T1 International Operations Precinct	76
	Commercial Development Plan	8		3	Strategic context and economic significance		24	Preparing the Airport Environment Strategy 2025–2030		46	T2/T3 Integrated Operations Precinct
Utilities Development Plan	8	Sydney Airport in 2024	24		6	Air traffic forecasts	48	Departing passenger plan	79		
Ground Transport Development Plan	9	Strategic context	26			Forecast approach	49	Arriving passenger plan	80		
3	Airport Planning Framework	11	Relevant government strategies and plans			26	Aviation industry trends and assumptions	49	Intra-terminal transfer passenger plan	80	
	Land Use Plan	11	Economic contribution of Sydney Airport	28		Passenger and aircraft movement forecasting method	50	Inter-precinct airside transfer plan	81		
	Aircraft noise	11	Key indicators	29	2045 Forecasts	51	9	Airfield Development Plan	82		
	Safeguarding Sydney Airport	11	Connectivity	30	Passenger numbers	51		Airfield development approach	83		
4	Airport Environment Strategy 2025–2030	12	Connecting regional NSW	32	Passenger aircraft movements	52		Apron and parking stand demand	83		
	4	Decarbonisation initiatives and climate resilience	34	Average number of passengers per flight	53	Airfield modelling		83			
		Net zero Scope 1 and 2 emissions by 2030	35	GA/CA and other aviation	54	Proposed airfield developments	84				
		Net zero initiatives 2026–2029	35	Air freight	58	Airfield supporting infrastructure	86				
		Emissions under Sydney Airport’s operational control	36	Benchmarking of the traffic forecasts	59	Airservices Australia facilities and services	86				
		Scope 1	36	Comparison to Master Plan 2039	59	Aviation supporting infrastructure	87				
		Scope 2	36	Comparison with historical performance	60	Corporate and general aviation	87				
		Sydney Airport’s Scope 3 value chain emissions	37	Representative days and noise sharing	62	Ground support equipment (GSE)	87				
		Opportunities to reduce Scope 3 emissions	37								

Table of contents

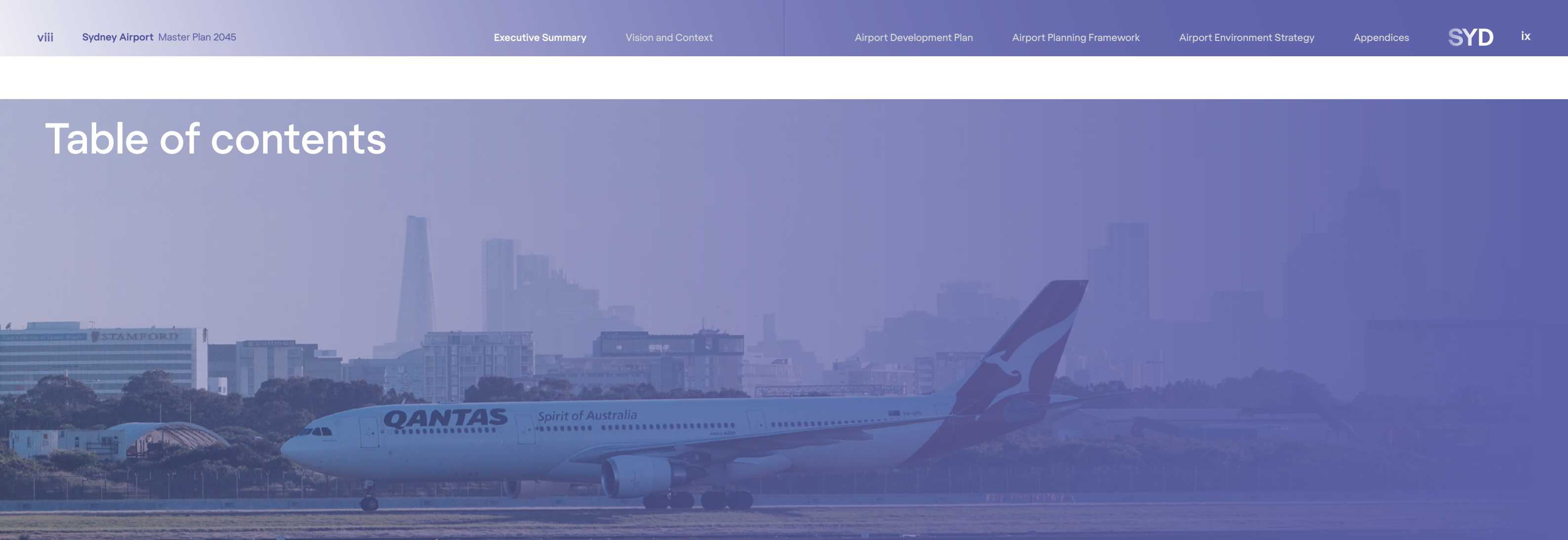
Section Two: Airport Development Plan

Aviation fuel	88	12 Utilities Development Plan	112
Air freight facilities	90	Electrical network	113
Flight catering facilities	90	Energy efficiency	113
Aircraft maintenance facilities	92	Proposed electricity infrastructure	113
10 Commercial Development Plan	94	Water supply	114
Commercial development strategy	95	Water efficiency	114
Potential commercial development by sector	96	Proposed water infrastructure	114
Impact on local employment	98	Stormwater	116
11 Ground Transport Development Plan	99	Proposed stormwater infrastructure	116
Ground transport planning approach and considerations	100	Sewerage	117
Ground transport since Master Plan 2039	100	Recycled water	117
Forecasts, trends and assumptions	103	Proposed sewerage infrastructure	117
Issues and opportunities	104	Natural gas	118
Five-Year Ground Transport Plan (2025–2030)	106	Aviation fuel	118
Active transport	107	Communications	118
Road network upgrades	107	Proposed communications infrastructure	118
Parking and transport facilitation	107		
Rideshare and taxi	107		
Demand management	107		
20-Year Ground Transport Strategy	110		
Airport-wide developments	110		
T1 International Operations Precinct	111		
T2/T3 Integrated Operations Precinct	111		

Section Three: Airport Planning Framework

13 Land Use Plan	122	Aircraft noise impacts and community concerns	138
Updates in the 2045 Land Use Plan	122	Western Sydney International Airport (WSI)	139
Land use planning framework	124	The Four Pillars of the ICAO Balanced Approach	140
Consistency with NSW planning schemes	124	Pillar 1 – Reduction of Noise at the Source	140
Land use zones	125	Pillar 2 – Land-use Planning and Management	140
AD1 – Aviation Activity and Aviation Support Facilities	125	Pillar 3 – Noise Abatement Procedures	141
AD2 – Airport Terminal and Support Services	125	Pillar 4 – Operating Restrictions	143
AD3 – Airport Logistics and Support	126	Aircraft noise mapping	144
AD4 – Utilities Reservation	126	Australian noise exposure forecast	144
AD5 – Aviation Reservation	127	Flight paths	145
BD1 – Business Development	128	Flight path movements and respite	145
BD2 – Enviro-Business Park	129	Frequency-based aircraft noise charts	152
EC1 – Environmental Conservation	130	15 Safeguarding Sydney Airport	154
Land use zones for land not subject to the <i>Airports Act 1996</i>	130	Key points	154
Sensitive developments	130	Airport security	155
On-airport development approval process	132	Infrastructure and technology	155
Major airport development	132	Framework to manage safety and security	156
Protecting off-airport employment lands	132	Safety and security culture	156
14 Aircraft noise	134	Governance mechanisms	157
Key points	134	Security by design	157
Sydney Airport’s role in noise management	135	Airport safeguarding	158
Governance of aircraft noise	136	National Airport Safeguarding Framework	158
Describing aircraft noise	138		

Table of contents



Section Four: Airport Environment Strategy

16 Introduction to the AES	170	Action plans	185
Strategy requirements and context	170	Ground-based noise	186
Environmental significance	171	Overview	186
Environmental management at Sydney Airport	172	Objectives	186
Environmental Management System (EMS)	172	Risk processes	187
Governance framework	173	Monitoring	187
Training	174	Action plans	187
Stakeholder management	174	Contamination	188
Annual reporting	174	Overview	188
Environmental risk management	175	Objectives	189
Environmental management areas	176	Risk processes	190
17 Pollution management	178	Monitoring	191
Air quality	178	Action plans	191
Overview	178	18 Flora, fauna and heritage	192
Objectives	179	Flora and fauna	192
Risk processes	180	Overview	192
Monitoring	181	Objectives	192
Action plans	181	Risk processes	194
Surface water quality	182	Monitoring	195
Overview	182	Action plans	195
Objectives	182	Heritage	196
Risk processes	183	Overview	196
Monitoring	185	Objectives	197

Section Four: Airport Environment Strategy

Risk processes	198	Waste	210
Monitoring	198	Overview	210
Action plans	198	Objectives	210
First Nations heritage	200	Risk processes	211
Overview	200	Monitoring	213
Objectives	201	Action plans	213
Risk processes	203		
Monitoring	203		
Action plans	203		
19 Sustainability	204		
Greenhouse gas emissions	204		
Overview	204		
Objectives	204		
Risk processes	205		
Monitoring	205		
Action plans	205		
Natural resource use	206		
Overview	206		
Objectives	207		
Risk processes	208		
Monitoring	209		
Action plans	209		

Table of contents

Section Five: Appendices

Appendix A	Abbreviations	216
Appendix B	Glossary of terms	218
Appendix C	History of Sydney Airport and existing facilities	227
Appendix D	Requirements of an airport master plan and AES	233
Appendix E	Planning laws and regulations	240
Appendix F	Permissible land uses	254
Appendix G	Runway modes of operation	259
Appendix H	ANEF 2045	262
Appendix I	Operational laws and regulations	267
Appendix J	Public Exhibition of preliminary draft Master Plan 2045	269

Figures

Figure 1-1	Commonwealth legislative framework	17
Figure 1-2	Developing Master Plan 2045	19
Figure 3-1	Relevant government strategies and plans	27
Figure 3-2	Average number of daily flights at Sydney Airport, 2019 to 2025	28
Figure 3-3	Key indicators of Sydney Airport’s economic contribution	29
Figure 4-1	Net zero 2030 roadmap – Scope 1 and 2 emissions (tCO2e) savings	35
Figure 4-2	Sydney Airport’s Scope 1 and 2 emissions, year-on-year (tCO2e)	36
Figure 4-3	Sydney Airport’s Scope 1 and 2 (market-based) emissions 2025 (tCO2e)	36
Figure 4-4	Sydney Airport’s Scope 3 footprint and total carbon footprint 2025	37
Figure 4-5	Actual and projected future Australian domestic aviation CO2e emissions under alternative scenarios	39
Figure 4-6	Actual and projected future Australian international aviation CO2e emissions under alternative scenarios	39
Figure 5-1	Master Plan 2045 preparation process	45
Figure 6-1	Proportion of international aircraft seats by region of airlines	49

Figures

Figure 6-2	Timing of seats commenced in 2024	50
Figure 6-3	Historical and forecast passenger growth, 2019 to 2045	51
Figure 6-4	Historical and forecast aircraft movement growth, 2019 to 2045	52
Figure 6-5	Historical and forecast average passengers per movement, 2019 to 2045	53
Figure 6-6	Aircraft movements by category (2018-2045)	54
Figure 6-7	Air freight forecasts, 2024 to 2045	58
Figure 6-8	Comparison with Master Plan 2039 aircraft movement forecasts	59
Figure 6-9	Noise sharing 2045	62
Figure 6-10	Forecast schedule hourly aircraft movements, 2045	63
Figure 9-1	SAF production process	89
Figure 11-1	Forecast ground transport traffic growth	103
Figure 13-1	Relevant NSW planning schemes	124
Figure 14-1	Aircraft noise roles and responsibilities	136
Figure 14-2	Non-acoustic factors	139
Figure 14-3	Sydney Airport fleet mix	140
Figure 14-4	Noise abatement procedures	141
Figure 14-5	Runway modes of operation	142
Figure 14-6	Runway end impacts, 1998 to 2045	143
Figure 15-1	Sydney Airport security technologies	157
Figure 15-2	NASF Guidelines	159
Figure 16-1	Sydney Airport EMS overview	172
Figure 16-2	ESG governance framework	173
Figure 16-3	Risk management process	175
Figure E-1	Sydney Airport planning and development process	242
Figure G-1	Runway modes of operation	261

Table of contents



Tables

Table 4-1	Scope 3 reduction opportunities	37
Table 4-2	Climate scenario overview	40
Table 4-3	Physical characteristics across both climate scenarios	41
Table 4-4	Climate risks and adaptation measures	42
Table 4-5	Flood and heat resilience in Sydney Airport’s BES Standards	43
Table 6-1	Compound annual growth rate of passenger numbers	51
Table 6-2	Fixed wing aircraft movement forecasts	52
Table 6-3	Historical and forecast CAGR of passenger numbers	60
Table 7-1	Key achievements since Master Plan 2039	67
Table 9-1	Forecast apron and parking stand demand, 2045	85
Table 9-2	Size of freight facilities at Sydney Airport, 2024	90
Table 10-1	Sydney Airport impact on the local economy and employment	98
Table 15-1	Airside security regulations	156
Table 17-1	Sydney Airport emissions compared with emissions for Greater Sydney	178
Table 17-2	Air quality risk processes	180
Table 17-3	Air quality monitoring	181
Table 17-4	Air quality action plans	181
Table 17-5	Surface water quality risk processes	183
Table 17-6	Surface water quality monitoring	185
Table 17-7	Surface water quality action plans	185
Table 17-8	Ground-based noise risk processes	187
Table 17-9	Ground-based noise monitoring	187
Table 17-10	Ground-based noise action plans	187
Table 17-11	Contamination risk processes	190

Tables

Table 17-12	Contamination monitoring	191
Table 17-13	Contamination action plans	191
Table 18-1	Flora and fauna risk processes	194
Table 18-2	Flora and fauna monitoring	195
Table 18-3	Flora and fauna action plans	195
Table 18-4	Heritage risk processes	198
Table 18-5	Heritage monitoring	198
Table 18-6	Heritage action plans	198
Table 18-7	First Nations heritage risk processes	203
Table 18-8	First Nations heritage monitoring	203
Table 18-9	First Nations heritage actions plans	203
Table 19-1	Greenhouse gas emissions risk processes	205
Table 19-2	Greenhouse gas emissions risk monitoring	205
Table 19-3	Greenhouse gas emissions action plans	205
Table 19-4	Natural resource use risk processes	208
Table 19-5	Natural resource use monitoring	209
Table 19-6	Natural resource use action plans	209
Table 19-7	Waste risk processes	211
Table 19-8	Waste monitoring	213
Table 19-9	Waste action plans	213
Table C-1	Development of Sydney Airport	227
Table C-2	Runway details	230
Table E-1	Development standards	244
Table E-2	External consultation	245

Table of contents



Tables

Table E-3	Consistency with State Environmental Planning Policies	246
Table F-1	AD1 – Aviation Activity and Aviation Support Facilities	254
Table F-2	AD2 – Airport Terminal and Support Services	254
Table F-3	AD3 – Airport Logistics and Support	255
Table F-4	AD4 – Utilities Reservation	255
Table F-5	AD5 – Aviation Reservation	256
Table F-6	BD1 – Business Development	257
Table F-7	BD2 – Enviro-Business Park	258
Table F-8	EC1 – Environmental Conservation	258
Table G-1	Preferred runway selection – Monday to Friday	259
Table G-2	Preferred runway selection – Saturday and Sunday	260
Table J-1	Addresses of drop-in sessions and display locations	270
Table J-2	Community and stakeholder engagement timeline	272
Table J-3	Community information sessions	274

Maps

Map ES2-1	Airport Development Plan 2045	7
Map 3-1	Sydney Airport context and existing facilities	25
Map 3-2	Sydney Airport destinations	30
Map 6-1	Potential GA/CA facilities	56
Map 7-1	Airport Development Plan – Sectors	71
Map 8-1	T1 International Operations Precinct Terminal Development Plan 2045	77
Map 8-2	T2/T3 Integrated Operations Precinct Terminal Development Plan 2045	78
Map 9-1	Airfield Development Plan 2045	85

Maps

Map 9-2	Proposed freight and aviation logistics facilities	91
Map 9-3	Future aircraft maintenance facilities	93
Map 10-1	Commercial Development Plan 2045	97
Map 11-1	Ground transport improvements at T1 since 2018	101
Map 11-2	Ground transport improvements at T2/T3 since 2018	102
Map 11-3	Five-Year Ground Transport Plan for T1 (2025–2030)	108
Map 11-4	Five-Year Ground Transport Plan for T2/T3 (2025–2030)	109
Map 12-1	Utilities Development Plan 2045	119
Map 13-1	Land Use Plan	123
Map 14-1	Flight paths at Sydney Airport (jet aircraft) 2024	146
Map 14-2	Flight paths at Sydney Airport (non-jet aircraft) 2024	147
Map 14-3	Average daily jet aircraft movement periods 2045	148
Map 14-4	Average daily jet aircraft respite periods 2045	149
Map 14-5	Average daily non-jet aircraft movement periods 2045	150
Map 14-6	Average daily non-jet aircraft respite periods 2045	151
Map 14-7	N70 contours 2045 and 2039	153
Map 15-1	ANEF 2045	162
Map 15-2	ANEF 2045 and ANEF 2039	163
Map 15-3	Windshear assessment envelopes	164
Map 15-4	Restricted lighting plan	165
Map 15-5	Sydney Airport public safety areas	166
Map H-1	ANEF 2045	262
Map J-1	Location of community engagement activities	271

Executive Summary



Executive Summary

1. Introduction

Sydney Airport is Australia’s premier international gateway.

The Sydney Airport Master Plan 2045 (Master Plan 2045) delivers a flexible blueprint for Sydney Airport’s future development as we move towards servicing our two-billionth passenger by 2050.

Featuring a multi-part Airport Development Plan, airport planning frameworks, and our five-year Airport Environment Strategy 2025–2030 (AES), Master Plan 2045 outlines the 20-year strategy to deliver our vision.



Vision

Our vision is to deliver long-term sustainable growth to Sydney Airport, making it a leading global airport and the most connected airport in Australia.

Development Objectives

-  Implement terminal upgrades to enhance experiences, safety and security of passengers and airport users
-  Implement innovative ground transport solutions to improve access to, from, and through the airport
-  Improve environmental performance by minimising the impacts of airport operations and development
-  Be an industry-leader in aviation decarbonisation initiatives and climate change response
-  Embed sustainability into airport decision making
-  Effectively manage aircraft noise
-  Upgrade the airfield to meet the expected growth in passengers, flights and air freight
-  Support the local community through inclusion, wellbeing and economic growth
-  Engage and communicate with stakeholders and listen to the local community

Executive Summary

1. Introduction

Developing Master Plan 2045

Master Plan 2045 envisions Sydney Airport’s evolution, supporting growth while keeping the community and environment in focus.

Air traffic forecasts provide a solid foundation for Master Plan 2045. They were prepared by aviation specialists and Tourism Futures International, in consultation with major airlines and industry associations.

Sydney Airport in 2045:



72.6m
passengers



385,000
passenger aircraft
movements (RPT)



1.4m
tonnes of freight

In 2045, Sydney Airport is expected to support or facilitate \$70.6 billion in total economic activity and 559,000 full-time equivalent jobs.¹

Sustainable growth of Sydney Airport – and the development of new, improved infrastructure – is critical to meeting forecast demands, achieving our vision and objectives, and delivering benefits for the economy, community, and other stakeholders.

As such, development of Master Plan 2045 has followed a thorough process, to comply and align with the:

- Airports Act 1996
- Airports Regulations 2024
- Airports (Environment Protection) Regulations 2026
- Australian Government’s 2024 Aviation White Paper – Towards 2050
- Sydney Airport Community and Stakeholder Consultation and Engagement Strategy.

We are continually striving to minimise the airport’s environmental footprint and improve environmental performance. Central to this is an understanding of the importance of decarbonisation initiatives and climate resilience, and an ambition to achieve net zero for emissions under Sydney Airport’s operational control (Scope 1 and Scope 2 emissions) by 2030. Planning for the next 20 years has been informed by these themes.

We are committed to developing and maintaining strong connections with the local community, their public representatives, key stakeholders, and the people of NSW.

The preliminary draft version of Master Plan 2045 was publicly exhibited for 62 business days, inviting everyone in the community to contribute ideas, suggestions and comments. We listened to feedback from the community and stakeholders and, where appropriate, addressed their concerns when reviewing and updating the preliminary draft version to produce the draft version. This was submitted to the Minister for Infrastructure, Transport, Regional Development and Local Government for her consideration. When the draft version was approved by the Minister on 11 August 2026, it became the final Master Plan 2045.

2. Airport Development Plan

To accommodate growth and achieve our vision and objectives, we have outlined Sydney Airport’s plans for airfield, aviation facilities, terminal and infrastructure improvements over the next 20 years.

We aim to deliver:

-  Enhanced passenger experiences
-  Continual investment, improvement and innovation in operational efficiency
-  Sustainable growth to meet demand
-  Flexibility to adapt to change as required

All future developments will adhere to relevant regulations and safety standards. Map ES2-1 identifies the sectors where development is proposed during the planning period. We will work in consultation with stakeholders to meet the needs of the community.



1. 2024 Deloitte Access Economics.

Executive Summary

2. Airport Development Plan



Terminal Development Plan

Sydney Airport’s Terminal Development Plan focuses on optimising infrastructure use to accommodate projected passenger, aircraft and ground transport traffic flows.

Planned improvements

- Flexible, upgraded infrastructure (like more contact stands that connect planes to terminal) to handle different aircraft, changing airline needs, and varying demand for international, domestic and regional flights.
- Holistic accessibility through our Accessibility Strategy 2026-2029.
- Enhanced passenger experience and connectivity and reduced minimum connection times (MCTs) by streamlining the transfer process and improving the airside transfer corridor between terminal precincts.
- Enhanced safety and security, including the introduction of advanced screening technologies.
- Increased capacity with the integration and expansion of international, domestic and regional operations in the T2/T3 Integrated Operations Precinct.



Airfield Development Plan

The Airfield Development Plan sets out to improve airfield and aviation support infrastructure to align with proposed terminal developments. Plans have been tested via extensive simulation modelling.

Proposed improvements prioritise responsible growth to reduce environmental impacts. The airport will remain flexible to accommodate new aircraft types, technologies and decarbonisation initiatives, such as sustainable aviation fuel (SAF) and hydrogen and battery electric aircraft, while taking a sustainable approach to all developments.

Planned improvements

- Taxiway and apron developments to facilitate the T2/T3 Integrated Operations Precinct.
- Activating remote aircraft parking stands in the North East, South East and South West sectors.
- Additional storage areas for ground support equipment (GSE).
- Expansion of the Jet Fuel Infrastructure (JFI) facility and extension of apron hydrant systems to serve new terminal infrastructure and remote stands.
- Progressive relocation of aviation support facilities in the North East Sector and new aviation support facilities in the South East Sector.
- Consolidation and redevelopment of freight facilities in the North West and North East sectors.
- Additional contact stands and flexibility at Terminal 1.
- New technology to improve airfield efficiency.
- Extension of Taxiway B.

Map ES2-1 Airport Development Plan 2045



- Legend**
- | | | | |
|--|-----------------------------------|-------------------------|-----------------------------------|
| ● Proposed aprons and taxiways | ○ Sydney Airport boundary | — Northern Lands Sector | — Proposed landside road corridor |
| ● Proposed T1 Terminal expansion and improvements | ▨ Sydney Airport freehold land | — North East Sector | — Proposed airside road corridor |
| ● Proposed T2/T3 Terminal expansion and improvements | ● Terminal and precinct buildings | — South East Sector | — Sydney passenger rail |
| ● Proposed freight and aviation logistics facilities | ● Apron and taxiways | — South West Sector | — Sydney freight rail |
| ● Proposed new or modified aircraft maintenance facilities | ● Runways | — North West Sector | ● Train station |
| | — LGA boundary | | |
| | — Existing roads | | |

Executive Summary

2. Airport Development Plan



Commercial Development Plan

The Commercial Development Plan outlines potential commercial and property developments to improve operational efficiency, by providing facilities for airlines and industry partners, and choice and convenience for airport users.

Opportunities for such developments in landside areas of the airport include:

- On-airport facilities for the aviation community, such as office facilities for government agencies, airlines, and other airport service providers and users.
- A range of hotel accommodation choices.
- Retail and food and beverage premises.
- A range of car parking and rental car products, servicing different customer needs.



Utilities Development Plan

Sydney Airport owns and maintains a comprehensive network of utilities supplying power, water, sewer, natural gas, telecommunications and stormwater infrastructure across the airport site. The Utilities Development Plan outlines our investment in a modern utilities network to safeguard the sustainability and viability of supply arrangements, and improve reliability, resilience and redundancy.

Planned improvements

- Modernisation and upgrade of key electrical feeds, using sustainable products and technologies where possible.
- Investigating increased recycled water treatment capacity to improve environmental performance.
- Upgrades to trunk drainage systems, including the optimisation of catchments, improving management and resilience.
- Network expansion to facilitate development in new areas.
- New utilities infrastructure to the South West and South East Sectors to facilitate aviation operations and reduce reliance on auxiliary power units (APUs), improving environmental, and work health and safety (WHS) outcomes.



Ground Transport Development Plan

How people travel to and from Sydney Airport is critical to airport operations. We are committed to providing a range of travel options that meet our customers' needs. Every journey matters.

To cater for increased demand and enhance passenger experiences, our Five-Year Ground Transport Plan and 20-Year Ground Transport Strategy outline improvements to network performance. Through infrastructure investment, demand management, advocacy and behaviour change, we want to give customers travel options and make their journey smooth and easy.

In the next five years and beyond, potential developments aim to:

- Reduce congestion and conflict points.
- Improve conditions for public and active transport, with upgraded facilities and infrastructure to support increased bus and train services.
- Utilise advanced technology to improve information access and wayfinding.
- Respond to increasing demand for rideshare services by reconfiguring taxi and rideshare facilities to optimise use of available space.

Key initiatives include:

- Improving kerbside performance at all terminals.
- Improving rideshare and taxi operations and holding facilities.
- Short-term interventions at T2/T3 to support terminal integration.
- Improving parking and drop-off performance by balancing demand and capacity.
- Advocating for the removal of the Station Access Fee and increased public transport services.
- Improving provision for active transport including wayfinding, infrastructure, network monitoring, and advocating for external network upgrades.





3. Airport Planning Framework

Master Plan 2045 outlines the airport planning frameworks to be followed for future developments, supporting aviation operations and the implementation of the Airport Development Plan. Planning frameworks inform on-airport planning, as well as NSW government and council initiatives in areas around the airport.

Land Use Plan

The Land Use Plan provides the community, government and stakeholders with an understanding of future activities that may be located across the Sydney Airport site, guiding future development and outcomes.

The Land Use Plan explains how the site may be used, outlining eight land use zones, their objectives and permissible activities. This considers the preservation of appropriate land for the airport’s core aviation use, supporting infrastructure and business, and environmental conservation.

Sydney Airport’s land use planning is modelled on the NSW planning scheme and serves to inform our development approval processes.

Aircraft noise

Sydney Airport aims to better manage the impact of aircraft noise, which is a significant environmental concern for many in the community.

Master Plan 2045 outlines:

- Key considerations for managing aircraft noise.
- The roles and responsibilities of Sydney Airport, government and industry.
- How we implement the four pillars of International Civil Aviation Organization’s (ICAO) Balanced Approach to Aircraft Noise Management.

Safeguarding Sydney Airport

Safeguarding the airport requires a robust safety and security framework, investment in enhanced infrastructure and technology, and ongoing collaboration with all levels of government.

Key points

- The Australian Noise Exposure Forecast 2045 (ANEF 2045) contained within Master Plan 2045 is a key land use planning tool, designed to inform planning and development decisions by NSW Government and local councils by identifying areas that may be exposed to aircraft noise.
- Master Plan 2045 identifies how we are managing and improving safety and security, such as a \$55 million investment in the replacement of the landside perimeter fence line, scheduled for completion by the end of 2026.
- Sydney Airport oversees development on-site and works with agencies and councils to be sure planning and development outside the airport boundary follow the National Airport Safeguarding Framework (NASF) when relevant.
- Sydney Airport supports the NASF and the goal of improving airport safeguarding measures across the country. Master Plan 2045 explores how the NASF applies to the airport and surrounding areas.

Executive Summary

4. Airport Environment Strategy 2025–2030

The Airport Environment Strategy 2025–2030 (AES) outlines our commitment to continual improvement of environmental performance and reducing our environmental footprint. This includes the frameworks in place to be sure that airport operations meet relevant environmental legislation and standards, such as our Environmental Management System (EMS), governance frameworks, and risk management, training and reporting processes.

Based on an environmental risk assessment of airport activities – and considering regulatory requirements and stakeholder views – the AES identifies 10 key environmental management areas, which require controls to prevent or reduce damage to the environment or our community.

These areas are explored in detail, including objectives, context, a risk assessment of impacts and mitigation controls, monitoring measures, and additional actions planned for the duration of the AES.

