# 6. PUBLIC NON-FINANCIAL CORPORATIONS PROJECTS

## 6.1 Public non-financial corporations projects

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Table 6.1. Capital investment by public non-financial corporations

		Capital E	xpenditure	
Agency	2016-17	2016-17	2017-18	
	Budget (a)	Revised (a)	Budget (a)	Variation <sup>(b)</sup>
	\$m	\$m	\$m	\$m
Transport				
Rail Corporation New South Wales (Transport Asset Holding Entity)	2,230.7	1,927.6	2,460.2	532.6
Sydney Trains	12.8	32.1	19.0	(13.0)
Sydney Motorway Corporation Pty Ltd and its subsidiaries	2,214.4	1,999.9	2,459.9	460.0
State Transit Authority of New South Wales	7.0	4.8	8.4	3.6
Sydney Ferries (c)	38.0	36.6	18.9	(17.7)
NSW Trains	5.5	6.5	6.3	(0.2)
Water				
Hunter Water Corporation	94.9	90.3	99.9	9.6
Sydney Water Corporation	721.1	667.7	836.2	168.5
Water NSW	126.4	91.2	449.0	357.8
Ports				
Newcastle Port Corporation (trading as Port Authority of NSW)	27.0	10.2	23.3	13.1
Housing				
New South Wales Land and Housing Corporation	593.5	494.8	587.0	92.1
Teacher Housing Authority of New South Wales	4.9	2.4	6.8	4.4
Property				
Place Management NSW	1,641.7	1,561.9	38.7	(1,523.2)
Forestry Corporation of New South Wales	10.3	25.5	8.3	(17.2)
Sydney Cricket and Sports Ground Trust	14.6	13.8	20.8	7.0
Sydney Opera House Trust	23.3	34.1	100.0	66.0
Venues NSW	49.2	53.4	174.6	121.2
Landcom (trading as UrbanGrowth NSW)	3.0	3.5	2.8	(0.7)
Other				
Waste Asset Management Corporation	1.6	1.3	0.3	(1.0)
Zoological Parks Board of New South Wales	45.7	38.7	70.2	31.6
Electricity				
Ausgrid (d)	748.3	207.3		(207.3)
Endeavour Energy (d)	253.5	213.1		(213.1)
Essential Energy	454.6	453.3	518.0	64.7
Competitive Government Sector	0.3	0.0	0.0	0.0
Total <sup>(e)</sup>	9,322.4	7,969.9	7,908.7	(61.2)

<sup>(</sup>a) The difference between total investment in Table 6.1 and the total of agency programs in the project list represents the capitalising of interest costs.

<sup>(</sup>b) The variation is from 2016-17 Revised to the 2017-18 Budget.

<sup>(</sup>c) Capital expenditure on fleet refurbishment delivered by Harbour City Ferries has not been included.

<sup>(</sup>d) Long term lease was finalised during 2016-17

<sup>(</sup>e) Public Non-Financial Corporations investment published in Table 1.1 or Table A1.9 of Budget Paper 1 may not sum to the totals of agency programs published in Table 6.1. The difference represents intra-sector eliminations.

Project Description	Location	Start	Complete	Estimated Total Cost \$000	Est. Expend To 30-06-17 \$000	Allocation 2017-18 \$000
Rail Corporation New Sou	uth Wales					
Major Works						
New Works						
Central Walk	Sydney	2017	n.a.	n.a.		48,000
Regional Rail Fleet Program	Various	2017	n.a.	n.a.	18,306	25,000
Total, New Works						73,000
Works in Progress						
Automatic Train Protection	Various	2008	n.a.	n.a.	289,370	268,640
Enterprise Asset Management (EAM) Program	Various	2015	2018	n.a.	178,005	33,355
More Trains, More Services	Various	2016	2019	n.a.	264,840	658,074
Fixing the Trains Investments	Various	2013	2021	n.a.	208,725	14,290
New Intercity Fleet (a)	Various	2014	2024	n.a.	244,882	252,842
Power Supply (b)	Various	2004	n.a.	n.a.	881,514	114,196
Rail Operations Centre	Alexandria	2014	2018	276,000	156,498	102,632
Sydney Metro Northwest (including rollingstock)	Rouse Hill - Chatswood	2011	2019	8,279,000	4,328,483	1,138,344
Transport Access Program (c)	Various	2011	n.a.	n.a.	810,146	126,568
Total, Works in Progress						2,708,941
Total, Major Works						2,781,941
Minor Works						
Rail Capital Maintenance						255,792
Other Minor Works						142,889
Total, Minor Works						398,681
Total, Rail Corporation New Sou	th Wales					3,180,622
Less Sydney Metro Northwest - I Transport for NSW	Public Private Pa	artnership	(PPP) com	ponent deli	vered by	(720,377)
Total, Rail Corporation New Sou	Total, Rail Corporation New South Wales (Transport Asset Holding Entity) (d)					

<sup>(</sup>a) Previously known as Next Generation Rail Fleet.

<sup>(</sup>b) Represents a portfolio of projects (generally in excess of \$100 million) some of which are still in the planning phase or subject to tender. Expenditure on these programs in prior years reflects works in progress only.

(c) Estimated total cost excludes financing cost for Public Private Partnership.

<sup>(</sup>d) Includes a number of projects which commenced prior to 2011-12 and are now included in the larger Transport Access

<sup>(</sup>e) From 1 July 2015, Rail Corporation New South Wales (Transport Asset Holding Entity) was classified as a commercial public non-financial corporation. Existing capital projects will continue to be managed by Transport for NSW for a fee.

Project Description	Location	Start	Complete	Estimated Total Cost \$000	Est. Expend To 30-06-17 \$000	Allocation 2017-18 \$000
Sydney Trains						
Major Works						
Works in Progress						
Waratah Rollingstock - Enabling and Ancillary Works	Various	2004	2019	677,962	660,796	11,567
Total, Works in Progress						11,567
Total, Major Works						11,567
Total, Minor Works						7,453

## Sydney Motorway Corporation Pty Ltd and its subsidiaries

#### **Major Works**

#### Works in Progress (a)

**Total, Sydney Trains** 

WestConnex Stage 1 (b)(c)	Various	2015	2019	4,444,000	2,057,450	1,090,383		
WestConnex Stage 2 (b)(c)(d)	Various	2015	2020	4,551,000	1,686,819	1,146,136		
Total, Works in Progress						2,236,519		
Total, Major Works	Total, Major Works							
Total, Minor Works								
Total, Sydney Motorway Corporation Pty Ltd and its subsidiaries						2,344,519		

19,020

<sup>(</sup>a) A combination of State, Commonwealth and private funding.
(b) Estimated total cost includes works and related costs delivered by Road and Maritime Services.
(c) WestConnex Stages 1 & 2 includes preliminary Stage 3 works. The estimated total cost of all three stages is \$16.8 billion.
(d) Excludes Sydney Gateway, which is now being delivered in Stage 3.

Project Description	Location	Start	Complete	Estimated Total Cost	Est. Expend To 30-06-17	Allocation 2017-18
				\$000	\$000	\$000
Sydney Ferries						
Major Works						
Works in Progress						
Ferry Fleet Replacement	Various	2013	2018	51,624	43,715	7,909
Growth Ferries - Parramatta River	Various	2015	2018	25,500	2,254	10,000
Total, Works in Progress						17,909
Total, Major Works						17,909
Total, Minor Works						9,492
Total, Sydney Ferries						27,401
Total, Sydney Ferries  The following agencies have a M	inor Works Progr	am only				2
NSW Trains						6,3
State Transit Authority of New	South Wales					8,40

Project Description	Location	Start	Complete	Estimated Total Cost \$000	Est. Expend To 30-06-17 \$000	Allocation 2017-18 \$000
Hunter Water Corporation	1					
Major Works						
New Works						
Enhancement of Wastewater Infrastructure	Various	2017	2024	32,826		163
Enhancement of Water Infrastructure	Various	2017	2024	55,764		824
Total, New Works						987
Works in Progress						
Enhancement of Wastewater Infrastructure	Various	2012	2026	185,651	16,252	6,036
Enhancement of Water Infrastructure	Various	2012	2026	43,602	10,860	5,818
Enhancement of Water and Sewerage Infrastructure	Various	2015	2027	1,370	264	63
Other Business Projects						
Housing Acceleration Fund 2 Upgrades	Various	2014	2019	21,000	11,789	7,163
Information & Communication Technology Project - Billing System Refresh	Various	2015	2020	15,693	981	6,704
Telemetry System Upgrade	Various	2009	2026	14,361	4,181	2,750
Total, Works in Progress						28,534
Total, Major Works						29,521
Total, Minor Works						66,507
Total, Hunter Water Corporation						96,028

	Total Occi	To 20 00 47	2047.40
	Total Cost	To 30-06-17	2017-18
	\$000	\$000	\$000

## **Sydney Water Corporation**

## **Major Works**

### **Works in Progress**

Total, Sydney Water Corporation						784,893
Total, Major Works						784,893
Total, Works in Progress						784,893
Water Meter Replacement Program	Various	1995	2027	250,000	147,412	8,600
Upgrade Reliability of Sewage Treatment Plants	Various	1995	2027	2,100,000	878,289	79,788
Stormwater Asset Renewals	Various	2008	2027	600,000	74,408	19,500
Sewer Network Reliability Upgrades	Various	1995	2027	2,200,000	1,233,530	72,667
Sewage Overflow Abatement	Various	1995	2027	1,620,000	1,004,440	51,200
Riverstone Wastewater Treatment Plant Stage 1 Amplification	Riverstone	2015	2019	113,168	24,517	53,273
Recycled Water Projects	Various	2014	2024	72,233	2,800	4,400
Quakers Hill Wastewater Treatment Plant Renewal	Quakers Hill	2016	2021	298,211	4,238	17,000
Property Management and Acquisition	Various	2001	2027	601,000	470,882	11,100
Priority Sewerage Program Buxton	Buxton	2012	2017	35,877	34,813	1,064
Priority Sewerage Program Bargo	Bargo	2012	2017	49,136	48,072	1,064
Operating Model Implementation Programs	Various	2017	2022	124,100	5,424	42,333
Maintenance Plant Renewals	Various	2001	2027	90,000	50,346	3,200
Maintain Water Distribution Systems	Various	1995	2027	2,410,000	1,519,584	77,325
Information Technology Projects	Various	2001	2027	1,100,000	579,603	21,473
Growth Works to Service Urban Development	Various	1995	2027	3,810,000	1,324,021	177,439
Green Square Town Centre - Flood Risk Management	Alexandria	2013	2018	59,139	54,001	4,613
Customer Experience Platform (CxP)	Various	2014	2020	155,964	45,647	82,262
Critical Watermain Program	Various	1998	2027	750,000	366,064	26,700
Business Experience Platform (BxP)	Various	2015	2020	85,663	20,771	29,892
Rusiness Evnerience Platform (RvD)	Various	2015	2020	85 663	20 771	20

Project Description	Location	Start	Complete	Estimated Total Cost	Est. Expend To 30-06-17	Allocation 2017-18
				\$000	\$000	\$000
Water NSW						
Major Works						
New Works						
Broken Hill Pipeline	Broken Hill	2017	2019	n.a.	533	293,000
Total, New Works						293,000
Works in Progress						
Blue Mountains System Upgrade	Katoomba	2016	2019	4,175	442	2,622
Catchments Upgrade	Various	1998	2027	28,795	5,710	2,130
General Upgrades	Various	1999	2027	676,708	24,761	57,156
Integrated Surveillance Monitoring, Automation and Remote Telemetry	Dubbo	2010	2025	48,731	17,352	2,469
Keepit Dam Upgrade	Keepit	1994	2024	186,511	99,112	9,931
Metropolitan Water Plan	Various	2004	2027	769,087	4,315	10,901
Shoalhaven System Upgrade	Various	1998	2019	12,832	10,153	1,339
Upper Canal Upgrade	Various	1998	2027	597,441	18,489	22,603
Warragamba Dam General Upgrade	Warragamba	1997	2025	66,180	8,128	7,442
Warragamba Pipelines Upgrade	Warragamba	1998	2022	23,786	3,291	6,440
Total, Works in Progress						123,033
Total, Major Works						416,033
Total, Minor Works						32,963
Total, Water NSW						448,996

Project Description	Location	Start	Complete	Estimated	Est. Expend	Allocation
				Total Cost	To 30-06-17	2017-18
				\$000	\$000	\$000

## **Newcastle Port Corporation (trading as Port Authority of NSW)**

### **Major Works**

New	14	-	مرا
New	vv	or	KS

Total, Newcastle Port Corporation (trading as Port Authority of NSW)						23,330
Total, Minor Works						10,113
Total, Major Works						13,217
Total, Works in Progress						n.a.
Overseas Passenger Terminal Road Improvements	Sydney	2017	2025	n.a.	119	4,305
Connection Reliant Gangway Replacement	Sydney	2017	2018	n.a.	598	n.a.
Works in Progress						
Total, New Works						n.a.
Replacement of Fast Response Vessel - Sydney	Sydney	2018	2018	n.a.		n.a.
Glebe Island - Wharf 8 Augmentation	Balmain	2018	2025	n.a.		3,322
New Works						

Project Description	Location	Start	Complete	Estimated Total Cost \$000	Est. Expend To 30-06-17 \$000	Allocation 2017-18 \$000
New South Wales Land a	nd Housing	g Corpora	tion			
Major Works						
New Works						
Office Accommodation and Administrative Assets	Various	2017	2018	2,720		2,720
Social Housing - Asset Improvement	Various	2017	2018	216,548		216,548
Social Housing - New Supply	Various	2017	2029	2,000,670		187,879
Total, New Works						407,147
Works in Progress						
Social Housing - New Supply	Various	2016	2020	287,543	81,255	178,819
Total, Works in Progress						178,819
Total, Major Works						585,966
<b>Total, Minor Works</b>						991
Total, New South Wales Land an	d Housing Co	rporation				586,957
Teacher Housing Authori	ty of New S	South Wal	es			
Works in Progress						
New Houses to Meet Demand Growth	Various	2015	2027	18,428	1,700	4,298
Total, Works in Progress						4,298
Total, Major Works						4,298
Total, Minor Works						2,465
Total, Teacher Housing Authorit	y of New Sout	th Wales				6,763

Project Description	Location	Start	Complete	Estimated Total Cost \$000	Est. Expend To 30-06-17 \$000	Allocation 2017-18 \$000
Place Management NSW						
Major Works						
Works in Progress						
Campbells Cove Public Domain Upgrade	Sydney	2015	2020	17,721	1,339	9,559
Cockle Bay Marine Structure Redevelopment	Sydney	2016	2018	15,240	3,655	11,585
Darling Harbour Interface Project	Sydney	2016	2019	8,159	2,209	5,500
Darling Harbour Public Domain Upgrade	Sydney	2012	2027	20,015	5,894	3,985
Pyrmont Bridge Restoration	Sydney	2016	2022	22,800	700	5,500
The Rocks Foreshore Improvement Project	The Rocks	2015	2026	38,787	137	100
The Rocks Public Domain Upgrade	The Rocks	2012	2027	55,770	8,231	2,476
Total, Works in Progress						38,705
Total, Major Works						38,705
Total, Place Management NSW						38,705
Sydney Cricket and Sport	ts Ground Ti	rust				
New Works						
Asphalt - Moore Park Number 1 Car Park East and West	Moore Park	2018	2018	420		420
Bird Deterrent - Allianz Concourse East and West Bays	Moore Park	2017	2018	260		260
Interior Painting - Ladies and Members Pavilions	Moore Park	2017	2018	300		300
New Ticketing System	Moore Park	2017	2018	750		750
Office Fitout - Sydney Football Club	Moore Park	2017	2017	350		350
Parking System for Moore Park Number 1 Car Park	Moore Park	2017	2018	300		300
Public Address System - Sitewide	Moore Park	2017	2018	1,000		1,000
Pump Rooms Fire Hydrant Main Upgrades - Stage 2	Moore Park	2017	2018	950		950
Synthetic Turf - Allianz Stadium Field of Play	Moore Park	2018	2018	660		660

Project Description	Location	Start	Complete	Estimated Total Cost \$000	Est. Expend To 30-06-17 \$000	Allocation 2017-18 \$000
Sydney Cricket and Sport	s Ground T	rust (con	ıt)			
Synthetic Turf for Field of Play - Sydney Cricket Ground	Moore Park	2017	2017	389		389
Virtualisation Project - Victor Trumper Stand	Moore Park	2017	2018	340		340
Washroom and Toilets Renovation Members Pavilion Dressing Rooms	Moore Park	2017	2018	300		300
Waste Management - Sydney Cricket Ground	Moore Park	2017	2018	478		478
Total, New Works						6,497
Works in Progress						
Allianz Stadium Members and Goods Lifts Upgrades	Moore Park	2016	2017	303	3	300
Catering Facility Upgrades	Moore Park	2015	2018	3,713	3,013	700
Customer Relationship Management and Records System	Moore Park	2015	2018	1,106	206	900
Electronic Residual Protection - Sitewide	Moore Park	2016	2018	322	202	120
Emergency Lighting Upgrade - Sitewide	Moore Park	2017	2018	359	9	350
Information Technology Upgrade - Cashless Venue	Moore Park	2016	2018	629	129	500
Masterplan for Future Development	Moore Park	2016	2018	505	5	500
Network Convergence	Moore Park	2016	2018	1,156	564	592
New Administrative Building and Training Facilities	Moore Park	2015	2017	2,113	1,163	950
Security Upgrade	Moore Park	2016	2018	3,606	476	3,130
Website Upgrade	Moore Park	2016	2018	323	23	300
Total, Works in Progress						8,342
Total, Major Works						14,839
Total, Minor Works						5,940
Total, Sydney Cricket and Sports	Ground Trust					20,779

Project Description	Location	Start	Complete	Estimated Total Cost \$000	Est. Expend To 30-06-17 \$000	Allocation 2017-18 \$000
Sydney Opera House Tru	ıst					
Major Works						
Works in Progress						
Safety, Accessibility and Venue Enhancement Project	Sydney	2017	2018	26,000	7,321	18,679
Sydney Opera House Stage 1 Renewal	Sydney	2017	2021	202,000	12,000	50,000
Theatre Machinery Project	Sydney	2015	2018	43,057	24,377	18,680
Total, Works in Progress						87,359
Total, Major Works						87,359
Total, Minor Works						12,642
Total, Sydney Opera House Tru	st					100,001
Venues NSW  Major Works  New Works						
WIN Stadium Northern Grandstand rectification works	Wollongong	2017	2018	5,410		5,410
Total, New Works						5,410
Works in Progress						
Western Sydney Stadium	Parramatta	2015	2019	n.a.	41,878	160,493
Total, Works in Progress						160,493
Total, Major Works						165,903
Total, Minor Works						8,686
Total, Venues NSW						174,589
The following agencies have a Mir	nor Works Prograr	n only				
Forestry Corporation of New So	uth Wales					8,299
Landcom (trading as UrbanGrov	wth NSW)					2,766

Project Description	Location	Start	Complete	Estimated Total Cost	Est. Expend To 30-06-17 \$000	Allocation 2017-18 \$000
				\$000	ΨΟΟΟ	φοσο
Waste Assets Manageme	nt Corporatio	n				
Major Works						
Works in Progress						
Environmental Systems	Eastern Creek	2012	2019	1,619	1,244	83
Plant and Equipment Replacement	Eastern Creek	2011	2019	5,637	5,260	127
Total, Works in Progress						210
Total, Major Works						210
Total, Minor Works						80
Total, Waste Assets Managemen	t Corporation					290
Zoological Parks Board o Major Works	n New Couli	vaics				
Works in Progress						
Taronga Institute of Science and Learning	Mosman	2014	2018	32,188	8,158	22,696
Taronga Wildlife Retreat	Mosman	2015	2019	40,050	2,593	25,238
Taronga Zoo - Construction and Restoration Projects	Mosman	2001	2018	266,663	249,663	950
Visitor Experience - Taronga Western Plains Zoo	Dubbo	2014	2025	48,851	9,810	7,452
Visitor Experience - Taronga Zoo	Mosman	2014	2025	114,769	6,573	11,146
Western Plains Zoo - Construction and Restoration Projects	Dubbo	2001	2026	37,264	34,764	250
Total, Works in Progress						67,732
Total, Major Works						67,732
Total, Minor Works						2,500
Total, Zoological Parks Board of	New South Wale	 es				70,232

518,043

Project Description	Location	Start	Complete	Estimated Total Cost \$000	Est. Expend To 30-06-17 \$000	Allocation 2017-18 \$000
Essential Energy						
Major Works						
Works in Progress						
Substation (a)	Various	-	-	50,875	25,701	15,220
Total, Works in Progress						15,220
Total, Major Works						15,220
Total, Minor Works						502,823

<sup>(</sup>a) Represents a portfolio of projects that have various start and completion dates

**Total, Essential Energy**