A Metropolis of Three Cities

Greater Sydney Region and District Plans

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EP&A Act Part 3 Strategic Planning (Division 3.1 Strategic Planning Causes 3.1 – 3.12) includes Region Plans, District Plans and Local Strategic Planning Statements.
Two central organising themes

A Metropolis of Three Cities
A 30-minute city – rebalancing Greater Sydney
Western Parkland City

- Western Parkland City
- North West Growth Area
  - New neighbourhoods (land release)
  - Industry and urban services
  - Biodiversity protection
- Greater Penrith to Eastern Creek Growth Area Investigation
  - Linking new areas to existing communities
- North South Rail Link
  - St Marys to Western Sydney Airport and Badgerys Creek Aeropolis
- South Creek Corridor
  - A cool green corridor through the Western Parkland City
- Western Economic Corridor
  - New international airport and aeropolis
  - Defence and aerospace activities
  - Trade, freight, logistics, advanced manufacturing, health, education and science
- Potential rail connections
  - North–South – Rouse Hill to St Marys
  - Badgerys Creek Airport to Campbelltown-Macarthur
  - East-West – Western Parkland City to Central River City
- South West Growth Area
  - New neighbourhoods (land release)
  - Emerging centres at Leppington and Oran Park
Central River City

Greater Sydney Commission

Central River City

- New neighbourhoods and service areas
- Industrial and urban service lands
- Biodiversity protection

North West Growth Area

Sydney Metro Northwest
- Rouse Hill to Chatswood

NorthConnex
- Connecting the M1 and M2 Motorways

Parramatta Light Rail
- Stage 1: Westmead to Carlingford
- Stage 2: Carlingford to Sydney Olympic Park

Sydney Metro West
- Rail and frequent connection between Greater Parramatta and Harbour CBD

Potential radial mass transit services to Greater Parramatta from:
- Norwest
- Epping
- Bankstown-Kogarah

Freight Link
- Potential connection to Western Sydney industrial and urban services land

The GPOP Economic Corridor
- Westmead health and education precinct
- Urban renewal corridor from Carnellia to Carlingford
- Advanced technology and urban services in Carnellia, Rydalmere, Silverwater and Auburn
- Sydney Olympic Park lifestyle precinct

Greater Parramatta
- Metropolitan Centre
- New light rail infrastructure and services
- New neighbourhoods and urban renewal

East-West mass transit
- Potential rail connection Central River City to Western Parkland City
Eastern Harbour City

- Eastern Economic Corridor
  - Macquarie Park
  - Chatswood
  - St Leonards
  - Harbour CBD
  - Green Square–Mascot
  - Randwick
  - Sydney Airport

- Northconnex
  - Connecting the M1 and M2 Motorways

- Sydney Metro Northwest
  - Roux Hill to Chatswood
  - Urban renewal at Macquarie Park and Epping

- Sydney Metro West
  - Fast and frequent connections between Harbour CBD and Greater Parramatta

- Sydney Metro City & Southwest
  - Chatswood to Sydenham and Bankstown
  - Urban renewal Cronulla, St Leonards, Waterloo and Sydenham to Bankstown

- Harbour CBD
  - Metropolitan centre
  - Global financial, professional, health, education and innovation sectors
  - 500,000 jobs
  - Innovation Corridor

- CBD and South East Light Rail
  - Connecting Randwick health and education precinct to Harbour CBD
NOTE: Committed projects of: Western Harbour Tunnel & Beaches Link, F6 – WestConex to President Avenue Kogarah, Parramatta Light Rail Stage 2 and Sydney Metro West are subject to final business case, no investment decision yet. Routes and stops for some transport corridors/projects are indicative only.
Greater Sydney Structure Plan 2056

- three connected cities
- defined Metropolitan Rural Area
- extensive Protected Natural Area

NOTE: Committed projects of: Western Harbour Tunnel & Beaches Link, F6 – WestConnex to President Avenue Kogarah, Parramatta Light Rail Stage 2 and Sydney Metro West are subject to final business case, no investment decision yet. Routes and stops for some transport corridors/projects are indicative only.
But why a three cities model?
8 million people by 2056

Growth – the challenge and the opportunity
Communicating the challenge – spot the issue?
This is Greater Sydney

- Some given:
  - land release areas, and
  - Western Sydney Airport
Health & Education precincts and clusters
Office precincts
Location of Greater Sydney's top NAPLAN Schools
And together...
Location of Greater Sydney's knowledge workers

Proportion of adults with tertiary qualifications
Predominate Industry sectors by LGA

Industry with the greatest contribution to each local government area’s Gross Regional Product (2011 – 2012)

Note: Finance and insurance services in City of Sydney LGA contribute significantly more to the GRP ($92bn)
Source: RDA Sydney Metropolitan Region Economic Baseline Assessment – Update, Final, July 2013
New businesses in the technology sector (2015)
Districts – Accessibility to jobs

[Graph showing the proportion of jobs accessible within 30 minutes across different districts of Greater Sydney.]

<table>
<thead>
<tr>
<th>District</th>
<th>% of Jobs within 20min</th>
<th>% of Jobs within 30min</th>
<th>% of Jobs within 40min</th>
<th>% of Jobs within 50min</th>
<th>% of Jobs within 60min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central</td>
<td>19%</td>
<td>34%</td>
<td>50%</td>
<td>64%</td>
<td>75%</td>
</tr>
<tr>
<td>West Central</td>
<td>6%</td>
<td>14%</td>
<td>23%</td>
<td>35%</td>
<td>51%</td>
</tr>
<tr>
<td>North</td>
<td>6%</td>
<td>16%</td>
<td>28%</td>
<td>42%</td>
<td>57%</td>
</tr>
<tr>
<td>South</td>
<td>5%</td>
<td>12%</td>
<td>23%</td>
<td>40%</td>
<td>58%</td>
</tr>
<tr>
<td>South West</td>
<td>3%</td>
<td>6%</td>
<td>12%</td>
<td>20%</td>
<td>29%</td>
</tr>
<tr>
<td>West</td>
<td>2%</td>
<td>5%</td>
<td>6%</td>
<td>10%</td>
<td>15%</td>
</tr>
<tr>
<td>Greater Sydney</td>
<td>8%</td>
<td>16%</td>
<td>27%</td>
<td>39%</td>
<td>52%</td>
</tr>
</tbody>
</table>

Source: Transport Performance & Analytics (TPA)
Index of relative socio-economic disadvantage
### Three City distributions – work locations, dwellings, ageing

<table>
<thead>
<tr>
<th>Landscape</th>
<th>Western Parkland City</th>
<th>Central River City</th>
<th>Eastern Harbour City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proportion of jobs filled by local residents</td>
<td>48% 2011</td>
<td>45% 2011</td>
<td>59% 2011</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dwelling growth (725,000 total additional dwellings to 2036)</th>
<th>Western Parkland City</th>
<th>Central River City</th>
<th>Eastern Harbour City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proportion of total dwellings 2016</td>
<td>15.6%</td>
<td>26.3%</td>
<td>58.1%</td>
</tr>
<tr>
<td>Proportion of total dwelling growth 2016-2036</td>
<td>29.2%</td>
<td>27.4%</td>
<td>43.4%</td>
</tr>
<tr>
<td>Percent increase 2016-2036</td>
<td>84%</td>
<td>47%</td>
<td>34%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Age profile</th>
<th>Over 65 years</th>
<th>2016</th>
<th>2036</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Parkland City</td>
<td>12%</td>
<td>17%</td>
<td></td>
</tr>
<tr>
<td>Central River City</td>
<td>12%</td>
<td>16%</td>
<td></td>
</tr>
<tr>
<td>Eastern Harbour City</td>
<td>18%</td>
<td>21%</td>
<td></td>
</tr>
</tbody>
</table>
Three Cities – where we work
## Jobs growth by City

<table>
<thead>
<tr>
<th>GSC</th>
<th>Employment ('000)</th>
<th>10 Year Growth (% p.a.)</th>
<th>5 Year Growth (% p.a.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Jun-06</td>
<td>Jun-16</td>
<td></td>
</tr>
<tr>
<td>Eastern City</td>
<td>1,193.2</td>
<td>1,404.7</td>
<td>1.6%</td>
</tr>
<tr>
<td>Central City</td>
<td>545.5</td>
<td>678.1</td>
<td>2.2%</td>
</tr>
<tr>
<td>Western City</td>
<td>260.1</td>
<td>282.9</td>
<td>0.8%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,998.7</strong></td>
<td><strong>2,365.7</strong></td>
<td><strong>1.7%</strong></td>
</tr>
</tbody>
</table>

* Changes calculated prior to rounding.

Source: ABS Cat. No. 6291.0.55.001, Labour Force Australia, Detailed Electronic Delivery, Jul-17
The current main transport network

2017
Not all of Greater Sydney has the same climate

<table>
<thead>
<tr>
<th></th>
<th>Western Parkland City</th>
<th>Central River City</th>
<th>Eastern Harbour City</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Annual rainfall</strong></td>
<td>683 mm</td>
<td>973 mm</td>
<td>1,215 mm</td>
</tr>
<tr>
<td>Location</td>
<td>Badgerys Creek</td>
<td>Parramatta</td>
<td>Observatory Hill</td>
</tr>
</tbody>
</table>

| **Days over 35°C**   | 20 days               | 11 days            | 3 days               |
| Location             | Penrith               | Parramatta         | Observatory Hill     |

| **Canopy cover**     | 16%                   | 17%                | 32%                  |

*Urban Area – refer to Figure 51
Source: Climate statistical data, Bureau of Meteorology

Climate variations across Greater Sydney
Land surface temperature during a heatwave

Source: CSIRO Landsat 5 LST (Land surface temperature) for 02/02/2011 (2011). Averaged to SA1 (2016)
Vulnerability to heatwave

Tree canopy cover at 2011

A line of opportunity
Two simple questions:

- Is this okay? and
- What should we do?
Our vision

- Structure
- Alignment
- Catalytic infrastructure
We are not alone ....

Other cities / regions are working on this
Key themes

- Infrastructure
- Liveability
- Productivity
- Sustainability

10 Directions
40 Objectives
15 Actions
The Plans follow a structure
### Planning Priorities on a page – Western City District

<table>
<thead>
<tr>
<th>Infrastructure supporting new developments</th>
<th>A city supported by infrastructure</th>
<th>Planning Priority W1</th>
<th>Planning Priority W2</th>
<th>Planning Priority W3</th>
<th>Planning Priority W4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working together to grow a Greater Sydney</td>
<td>Infrastructure supporting new developments</td>
<td>Working through collaboration</td>
<td>Planning Priority W1</td>
<td>Planning Priority W2</td>
<td>Planning Priority W3</td>
</tr>
<tr>
<td>Celebrating diversity and putting people at the heart of planning</td>
<td>Infrastructure supporting new developments</td>
<td>Planning Priority W1</td>
<td>Planning Priority W2</td>
<td>Planning Priority W3</td>
<td>Planning Priority W4</td>
</tr>
<tr>
<td>Giving people housing choices</td>
<td>Infrastructure supporting new developments</td>
<td>Planning Priority W1</td>
<td>Planning Priority W2</td>
<td>Planning Priority W3</td>
<td>Planning Priority W4</td>
</tr>
<tr>
<td>Designing places for people</td>
<td>Infrastructure supporting new developments</td>
<td>Planning Priority W1</td>
<td>Planning Priority W2</td>
<td>Planning Priority W3</td>
<td>Planning Priority W4</td>
</tr>
<tr>
<td>Developing a more accessible and walkable city</td>
<td>Infrastructure supporting new developments</td>
<td>Planning Priority W1</td>
<td>Planning Priority W2</td>
<td>Planning Priority W3</td>
<td>Planning Priority W4</td>
</tr>
<tr>
<td>Creating the conditions for a stronger economy</td>
<td>Infrastructure supporting new developments</td>
<td>Planning Priority W1</td>
<td>Planning Priority W2</td>
<td>Planning Priority W3</td>
<td>Planning Priority W4</td>
</tr>
<tr>
<td>Valuing green spaces and landscape</td>
<td>Infrastructure supporting new developments</td>
<td>Planning Priority W1</td>
<td>Planning Priority W2</td>
<td>Planning Priority W3</td>
<td>Planning Priority W4</td>
</tr>
<tr>
<td>Using resources wisely</td>
<td>Infrastructure supporting new developments</td>
<td>Planning Priority W1</td>
<td>Planning Priority W2</td>
<td>Planning Priority W3</td>
<td>Planning Priority W4</td>
</tr>
<tr>
<td>Adapting to a changing world</td>
<td>Infrastructure supporting new developments</td>
<td>Planning Priority W1</td>
<td>Planning Priority W2</td>
<td>Planning Priority W3</td>
<td>Planning Priority W4</td>
</tr>
</tbody>
</table>

### Implementation

- Planning Priority W21: Preparing local strategic planning statements informed by local strategic planning
- Planning Priority W22: Monitoring and reporting on the delivery of the plan
Infrastructure

- Infrastructure that supports the three cities
- Infrastructure aligns with forecast growth
- Infrastructure adapts to meet future needs
- Infrastructure use is optimised
## Housing targets 2016-2036

<table>
<thead>
<tr>
<th>District</th>
<th>0–5 year housing supply target: 2016-2021</th>
<th>20-year strategic housing target: 2016-2036</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central City</td>
<td>53,500</td>
<td>207,500</td>
</tr>
<tr>
<td>Eastern City</td>
<td>46,550</td>
<td>157,500</td>
</tr>
<tr>
<td>North</td>
<td>25,950</td>
<td>92,000</td>
</tr>
<tr>
<td>South</td>
<td>23,250</td>
<td>83,500</td>
</tr>
<tr>
<td>Western City</td>
<td>39,850</td>
<td>184,500</td>
</tr>
<tr>
<td>Greater Sydney</td>
<td>189,100</td>
<td>725,000</td>
</tr>
</tbody>
</table>

Note: Central City and North District targets have been updated from November 2016 Draft District Plans due to changes to council boundaries.
Liveability

- Social infrastructure including health and education
- Arts, culture and diversity
- Making great places and place-based design
Productivity

- Economic corridors:
- Centres:
  - Health and Education
  - Metropolitan / Strategic / Local
- Industrial and urban services
  - Retain and manage
  - Review and manage
  - Plan and manage
- Sectors
Sustainability

- A city in its landscape
- An efficient city
- A resilient city
Informed by...
District Plans the new setting for guiding local planning
A **draft district strategic plan** must include or identify the following:

(a) the basis for strategic planning in the district, having regard to economic, social and environmental matters,
(b) the planning priorities for the district that are consistent with the objectives, strategies and actions specified in the **regional strategic plan** for the region in respect of which the district is part,
(c) the actions required for achieving those planning priorities,
(d) the basis on which the relevant strategic planning authority is to monitor and report on the implementation of those actions,
(e) areas of State, regional or district significance, including priority growth areas,
(f) such other matters as the relevant strategic planning authority considers relevant to planning for the district.

The **statement** must include or identify the following:

(a) the basis for strategic planning in the area, having regard to economic, social and environmental matters,
(b) the planning priorities for the area that are consistent with any strategic plan applying to the area and (subject to any such strategic plan) any applicable community strategic plan under section 402 of the *Local Government Act 1993*,
(c) the actions required for achieving those planning priorities,
(d) the basis on which the council is to monitor and report on the implementation of those actions.
District Plans the new setting for guiding local planning

- Avoids ad hoc and reactive planning decisions
- Established priorities that improve alignment of infrastructure with growth (GSRP Strategy 2.1)
- Focus on collaboration
- Focus of integration – productivity – liveability - sustainability
Implementation - coordination

Set Direction

10 Directions for a Greater Sydney Integrated government land use and infrastructure decision-making

A Metropolis of Three Cities - Greater Sydney Region Plan

Building Momentum - State Infrastructure Strategy

Future Transport 2056 - Future Transport Strategy

Implement Direction

District Plans

Local Environmental Plans

Budget Paper #2 Infrastructure Statement

Agency Programs

Services and Infrastructure Plans

Transport Programs
Implementation – delivery 2-3 years

What
- Local Environmental Plan reviews
- Local strategic planning statements
- Local Environmental Plan updates

How
- Councils - lead architects
- DPE - day to day point of contact with Councils
- GSC – assurance, monitoring and reporting

[LEP Roadmap]
www.lep-update.planning.nsw.gov.au
Questions
After 1 hour of the working day 20 houses are built in Greater Sydney.
Global Consumer Trends: Choice = Freight

In one short section of a Sydney CBD street we found there was a consumer choice of 230 different types of bread for sale.

Bread by numbers:
• 1 side of the street in a 220 metre CBD block
• 21 shops and cafes selling bread
• 35 bread suppliers
• 80 deliveries each day