

## Fact Sheet 5: Statistical Comparisons of State enrolment numbers by electoral districts and regions between the 2011 and 2015 review of WA's electoral boundaries

Table 1

### Comparison of State enrolment numbers at roll closes for the 2007, 2011<sup>1</sup> and 2015 reviews of WA's electoral boundaries

Date	Number of electors	Electors including LDA	Change in Enrolments	Description
26 February 2007	1,259,665	1,293,874  (inclusive of LDA of 34,209)	From 2007 remote districts with large areas qualify for a Large District Allowance (LDA), calculated by multiplying the square kilometres of the district by 1.5%	Total number of districts increased from 57 to 59. New districts are determined under the "one vote one value" principle.  These figures are used as the basis for determining boundaries for the State General Election on 6 September 2008.
6 September 2010	1,367,532	1,401,741  (inclusive of LDA of 34,209)	Elector numbers have increased since February 2007 by 107,867 or 8.6%	These figures are used as the basis for determining boundaries for the State General Election on 9 March 2013.
9 March 2015	1,470,451	1,504,700  (inclusive of LDA of 34,249)	Elector numbers have increased since September 2010 by 102,919 or 7.5%	These figures are used as the basis for determining boundaries for the State General Election in March 2017.

<sup>1</sup> Roll close was conducted in 2010 but the review of electoral boundaries was held predominantly during 2011.

Table 2

Number of enrolments<sup>2</sup> and Average District Enrolments – change in metropolitan and country enrolments since the 2011 review of WA’s electoral boundaries

Year	At quarter ending	Metropolitan enrolment	Country enrolment	Total enrolment	Average district enrolment <sup>3</sup>
2010	6 September <sup>4</sup>	1,021,503	346,029	1,367,532	23,178
	December	1,025,260	347,212	1,372,472	23,262
2011	March	1,025,559	347,141	1,372,700	23,266
	June	1,018,482	345,797	1,364,279	23,123
	September	1,021,543	347,040	1,368,583	23,196
	December	1,024,182	347,983	1,372,165	23,257
2012	March	1,029,104	349,164	1,378,268	23,360
	June	1,034,956	350,835	1,385,791	23,488
	September	1,037,778	351,175	1,388,953	23,542
	December	1,047,898	353,745	1,401,643	23,756
2013	14 February <sup>5</sup>	1,061,576	357,899	1,419,475	24,058
	March	1,070,628	361,320	1,431,948	24,270
	June	1,073,023	362,133	1,435,156	24,325
	September	1,085,873	365,713	1,451,586	24,603
	December	1,090,122	366,777	1,456,899	24,693
2014	March	1,098,402	368,684	1,467,086	24,866
	June	1,101,444	368,638	1,470,082	24,917
	September	1,102,406	368,424	1,470,830	24,929
	December	1,101,254	367,356	1,468,610	24,892
2015	9 March <sup>6</sup>	1,103,172	367,279	1,470,451	24,923

<sup>2</sup> Quarterly enrolment numbers include provisional voters (mainly comprising 17 year olds) except where there has been a count of electors for a roll close.

<sup>3</sup> Average district enrolment is calculated by dividing total State enrolment by the number of districts in the State, with symmetric arithmetic rounding.

<sup>4</sup> Roll close after 2011 review of electoral boundaries.

<sup>5</sup> Roll close before 2013 State General election.

<sup>6</sup> Roll close before 2015 review of electoral boundaries.

Table 3a

**Legislative Assembly**  
**Metropolitan electoral districts – number of enrolments and percentage variation from the ADE<sup>7</sup> between 2011 and 2015**

District	Enrolment 6.9.2010 (after 2011 boundary change)	Variation from ADE	Enrolment 9.3.2015 (before 2015 boundary change)	Variation from ADE	Change in enrolment 2010-2015
Alfred Cove	23,618	1.90%	24,717	-0.83%	4.65%
Armadale	24,381	5.19%	25,808	3.55%	5.85%
Balcatta	24,896	7.41%	25,592	2.68%	2.80%
Bassendean	25,011	7.91%	25,337	1.66%	1.30%
Bateman	23,037	-0.61%	23,307	-6.48%	1.17%
Belmont	22,024	-4.98%	22,875	-8.22%	3.86%
Butler	24,608	6.17%	33,293	33.58%	35.29%
Cannington	23,262	0.36%	24,199	-2.90%	4.03%
Carine	24,456	5.51%	24,640	-1.14%	0.75%
Churchlands	25,130	8.42%	26,528	6.44%	5.56%
Cockburn	23,965	3.40%	27,750	11.34%	15.79%
Cottesloe	24,320	4.93%	25,651	2.92%	5.47%
Darling Range	23,447	1.16%	30,854	23.80%	31.59%
Forrestfield	24,820	7.08%	26,506	6.35%	6.79%
Fremantle	24,992	7.83%	27,062	8.58%	8.28%
Girrawheen	25,064	8.14%	28,499	14.35%	13.70%
Gosnells	25,198	8.72%	25,334	1.65%	0.54%
Hillarys	24,312	4.89%	24,619	-1.22%	1.26%
Jandakot	24,125	4.09%	25,827	3.63%	7.05%
Joondalup	23,977	3.45%	24,143	-3.13%	0.69%
Kalamunda	23,661	2.08%	24,104	-3.29%	1.87%
Kingsley	25,043	8.05%	24,865	-0.23%	-0.71%
Kwinana	25,012	7.91%	31,149	24.98%	24.54%
Maylands	24,957	7.68%	25,841	3.68%	3.54%
Midland	23,954	3.35%	24,995	0.29%	4.35%
Mirrabooka	25,088	8.24%	26,376	5.83%	5.13%
Morley	23,914	3.18%	24,539	-1.54%	2.61%
Mount Lawley	24,815	7.06%	25,943	4.09%	4.55%
Nedlands	24,393	5.24%	25,107	0.74%	2.93%
Ocean Reef	23,814	2.74%	26,276	5.43%	10.34%
Perth	25,213	8.78%	27,764	11.40%	10.12%
Riverton	24,493	5.67%	24,144	-3.13%	-1.42%
Rockingham	25,054	8.09%	25,322	1.60%	1.07%
Scarborough	24,109	4.02%	25,534	2.45%	5.91%
South Perth	23,747	2.45%	24,663	-1.04%	3.86%
Southern River	24,328	4.96%	28,006	12.37%	15.12%
Swan Hills	24,346	5.04%	27,890	11.91%	14.56%
Victoria Park	24,259	4.66%	26,248	5.32%	8.20%
Wanneroo	23,434	1.10%	27,339	9.69%	16.66%
Warnbro	25,170	8.59%	30,780	23.50%	22.29%
West Swan	24,291	4.80%	29,279	17.48%	20.53%
Willagee	23,765	2.53%	24,467	-1.83%	2.95%
<b>Total</b>	<b>1,401,781</b>		<b>1,504,700</b>		<b>7.99%</b>
<b>Average District Enrolment (ADE)</b>	<b>23,178</b>		<b>24,923</b>		

<sup>7</sup> Average district enrolment (ADE) is calculated by dividing total State enrolment by the number of districts in the State, with symmetric arithmetic rounding.

Chart 1

### Legislative Assembly Metropolitan electoral districts – percentage change in enrolments between 2011 and 2015

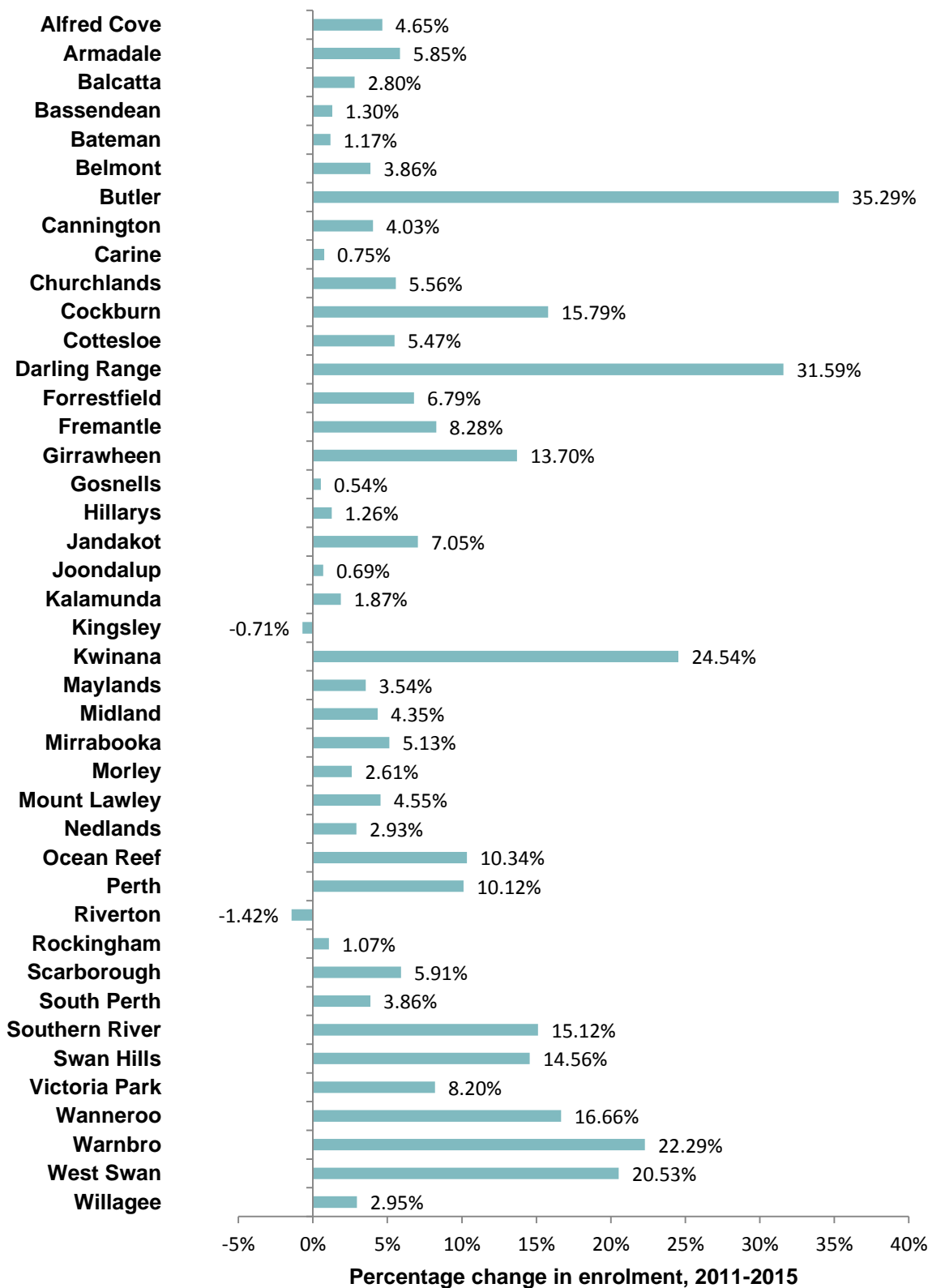


Chart 2

### Legislative Assembly Metropolitan electoral districts at 9 March 2015 – variation from average district enrolment (24,923)

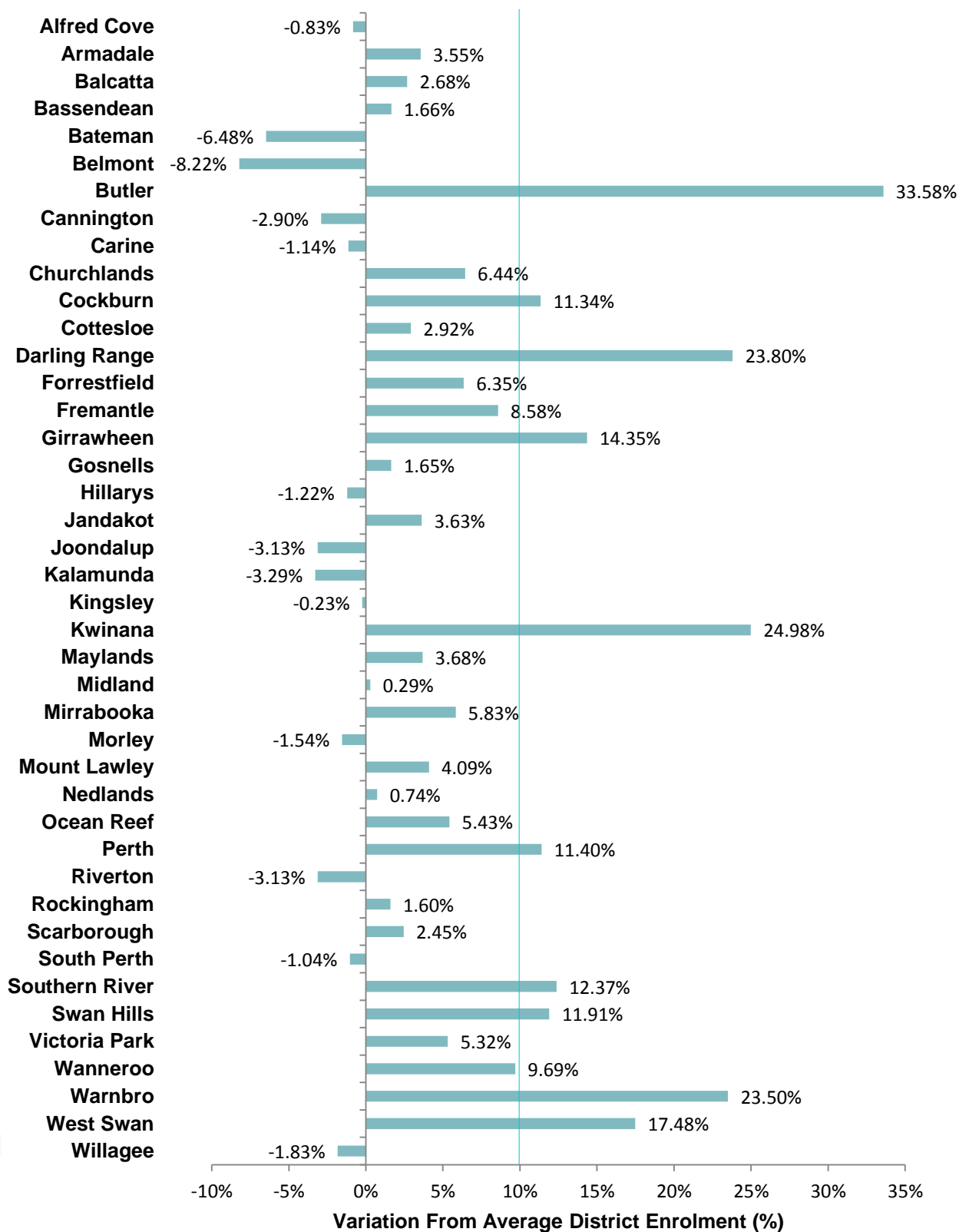


Table 3b

## Legislative Assembly

### Country electoral districts – number of enrolments and percentage variation from the ADE<sup>8</sup> between 2011 and 2015

District	Enrolment 6.9.2010 (after 2011 boundary change)	Variation from ADE	Enrolment 9.3.2015 (before 2015 boundary change)	Variation from ADE	Change in enrolment 2010-2015
Albany	23,095	-0.36%	24,302	-2.49%	5.23%
Bunbury	23,689	2.20%	23,901	-4.10%	0.89%
Central Wheatbelt	22,640	-2.32%	22,431	-10.00%	-0.92%
Collie-Preston	22,000	-5.08%	24,509	-1.66%	11.40%
Dawesville	23,258	0.35%	26,507	6.36%	13.97%
Eyre <sup>9</sup>	21,690	-6.42%	21,657	-13.10%	-0.15%
Geraldton	22,006	-5.06%	23,205	-6.89%	5.45%
Kalgoorlie	21,012	-9.35%	20,830	-16.42%	-0.87%
Kimberley <sup>10</sup>	21,948	-5.31%	23,159	-7.08%	5.52%
Mandurah	22,352	-3.56%	25,298	1.51%	13.18%
Moore	22,874	-1.31%	23,894	-4.13%	4.46%
Murray-Wellington	22,540	-2.75%	25,295	1.49%	12.22%
North West Central <sup>11</sup>	19,722	-14.91%	19,432	-22.03%	-1.47%
Pilbara <sup>12</sup>	22,884	-1.27%	23,905	-4.08%	4.46%
Vasse	21,533	-7.10%	25,003	0.32%	16.11%
Wagin	22,037	-4.92%	21,809	-12.49%	-1.03%
Warren-Blackwood	24,998	7.85%	26,391	5.89%	5.57%
<b>Total</b>	<b>380,278</b>		<b>401,528</b>		<b>5.59%</b>
<b>Average District Enrolment (ADE)</b>	<b>20,355</b>		<b>24,923</b>		

### Large Districts

District	Approx. Land Area in 2011 <sup>13</sup> (sq. km)	Large District Allowance
Eyre	295,533	4,433
Kalgoorlie	507,600	7,614
Kimberley	419,400	6,291
North West Central	656,533	9,848
Pilbara	527,467	6,063
		<b>34,249</b>

8 Average district enrolment (ADE) is calculated by dividing total State enrolment by the number of districts in the State, with symmetric arithmetic rounding.

9 These large districts (100,000 km<sup>2</sup> or greater) qualifies for a Large District Allowance (LDA). This allowance is calculated by multiplying the square kilometres of the district by 1.5%. The final number, calculated by adding the allowance to the number of electors in the district, must be within a range of 20% less or 10% greater than the 'average district enrolment' (ADE).

10 See LDA above.

11 See LDA above.

12 See LDA above.

13 Source: as calculated during 20 September 2011 Distribution

Chart 3

### Legislative Assembly Country electoral districts— percentage change in enrolments between 2011 and 2015

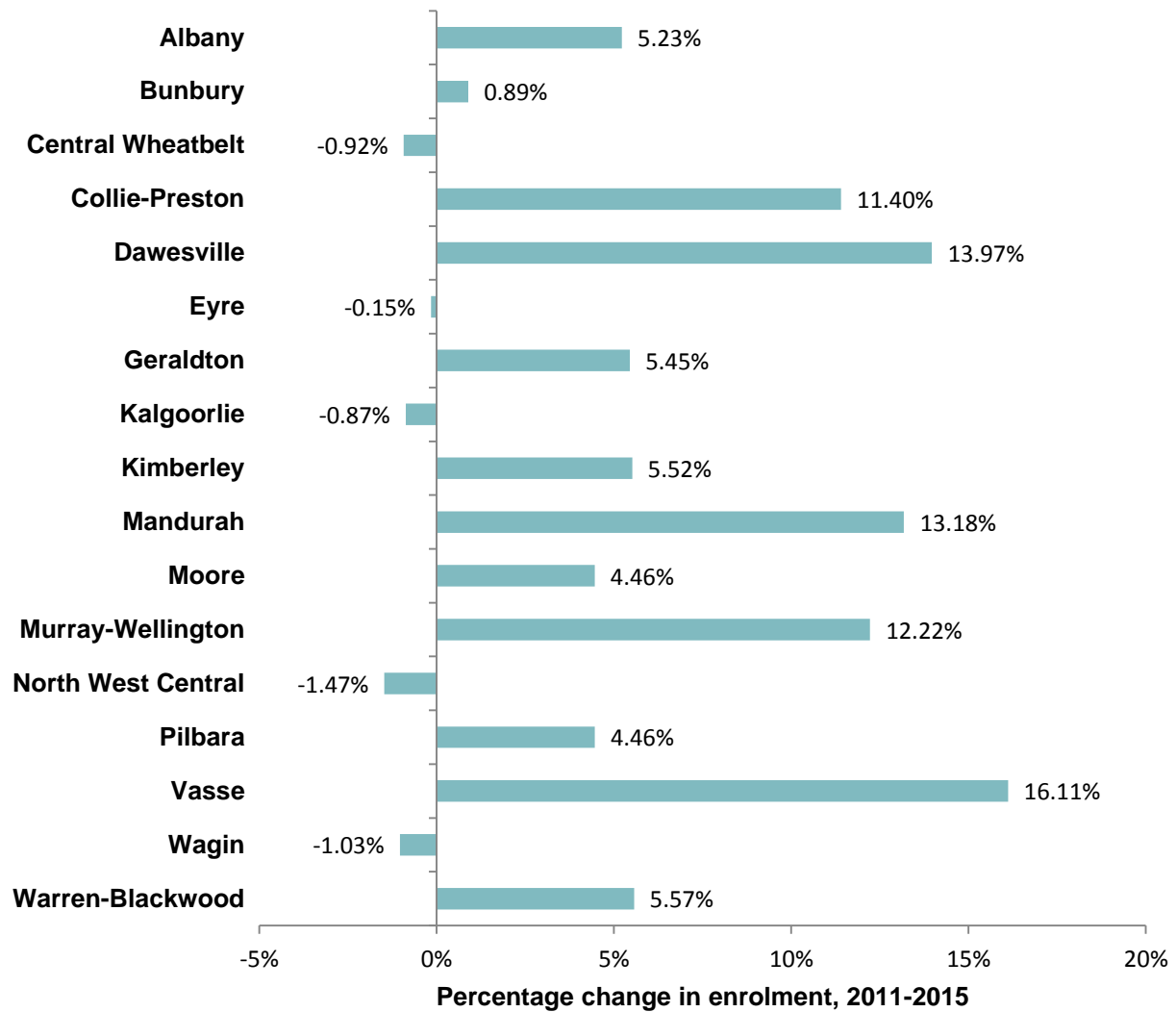


Chart 4

### Legislative Assembly Country electoral districts at 9 March 2015 – variation from average district enrolment (24,923)

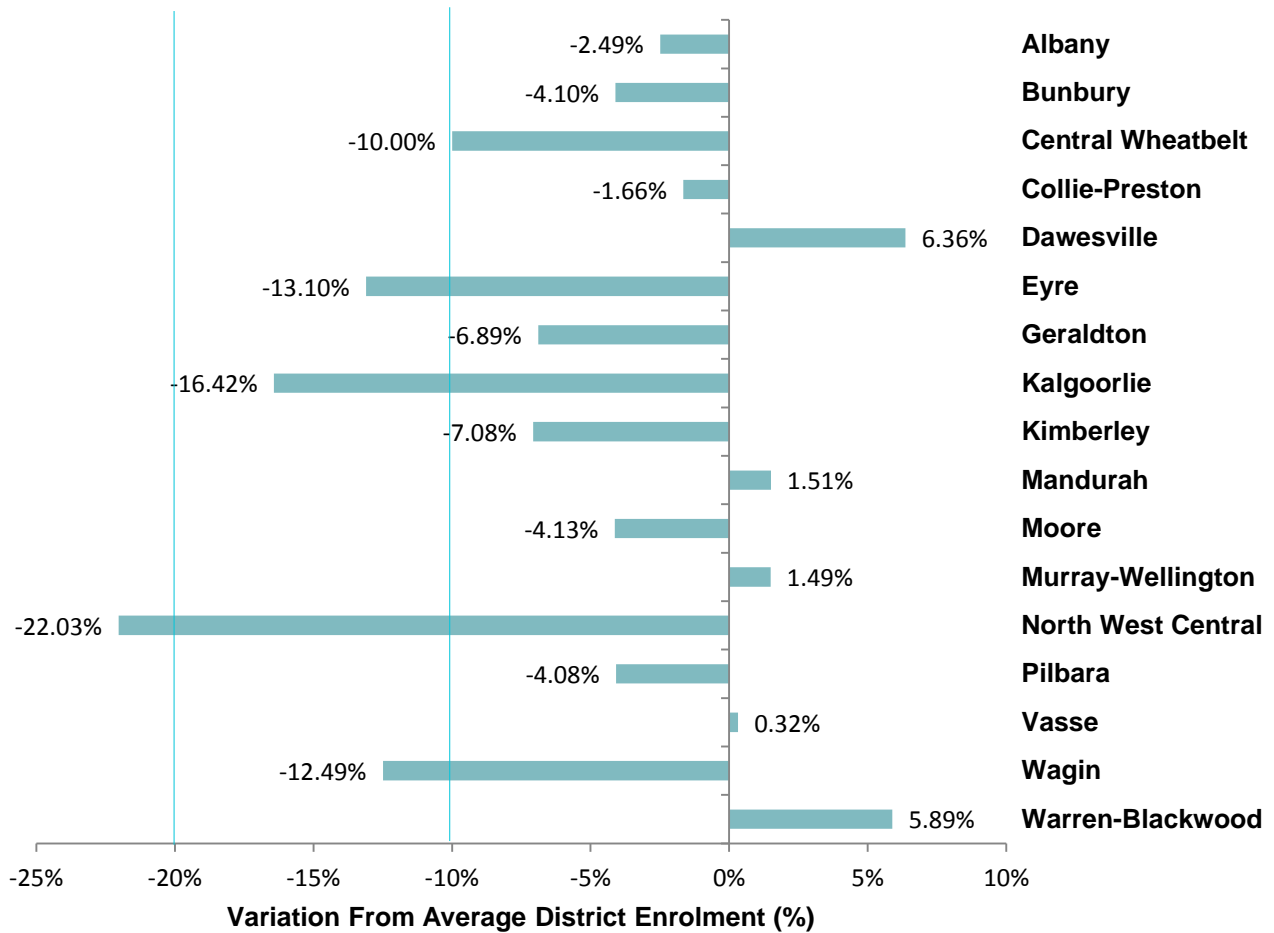


Table 4a

### Legislative Assembly – comparison of permissible elector variation for metropolitan enrolment between 2011 and 2015

Enrolment 6.9.2010 (after 2011 boundary change)	Average district enrolment	Enrolment 9.3.2015 (before 2015 boundary change)	Average district enrolment	Change in metro enrolment 6.9.10 to 9.3.15
1,021,503	23,178	1,103,172	24,923	7.99%
(-10%)	20,860	(-10%)	22,431	
(+10%)	25,495	(+10%)	27,415	



Table 4b

**Legislative Assembly – comparison of permissible elector variation for country enrolment between 2011 and 2015, includes LDA<sup>14</sup>**

Enrolment 6.9.2010 (after 2011 boundary change) Includes LDA	Average district enrolment	Enrolment 9.3.2015 (before 2015 boundary change) Includes LDA	Average district enrolment	Change in metro enrolment 6.9.10 to 9.3.15
380,238	23,178	401,528	24,923	5.60%
(-20%)	18,542	(-20%)	19,938	
(-10%)	20,860	(-10%)	22,431	
(+10%)	25,495	(+10%)	27,415	

Table 4c

**Legislative Council – comparison of enrolments by electoral regions, includes LDA**

Region	Enrolment 6.9.2010 (after 2011 boundary change) Includes LDA	Enrolment 9.3.2015 (before 2015 boundary change) Includes LDA
East Metropolitan	339,907	365,681
North Metropolitan	342,769	369,850
South Metropolitan	338,827	367,641
Agricultural	89,557	91,339
Mining and Pastoral <sup>15</sup>	73,007	74,734
South West	183,465	201,206
<b>Total</b>	<b>1,367,532</b>	<b>1,470,451</b>

Table 5

**Agricultural electoral region – Number of enrolments and percentage variation from ADE between 2011 and 2015**

District	Enrolment 6.9.2010 (after 2011 boundary change)	Variation from ADE	Enrolment 9.3.2015 (before 2015 boundary change)	Variation from ADE	Change in enrolment. 2010-2015
Central Wheatbelt	22,640	-2.32%	22,431	-10.00%	-0.92%
Geraldton	22,006	-5.06%	23,205	-6.89%	5.45%
Moore	22,874	-1.31%	23,894	-4.13%	4.46%
Wagin	22,037	-4.92%	21,809	-12.49%	-1.03%
<b>Total</b>	<b>89,557</b>		<b>91,339</b>		<b>1.99%</b>
<b>Average district enrolment (ADE) For AG district</b>	<b>22,389</b>	<b>-3.40%</b>	<b>22,835</b>	<b>-8.38%</b>	

<sup>14</sup> These large districts (100,000 km<sup>2</sup> or greater) qualifies for a Large District Allowance (LDA). This allowance is calculated by multiplying the square kilometres of the district by 1.5%. The final number, calculated by adding the allowance to the number of electors in the district, must be within a range of 20% less or 10% greater than the 'average district enrolment' (ADE).

<sup>15</sup> See LDA above

Table 6

**Mining and Pastoral electoral region – Number of enrolments and percentage variation from ADE between 2011 and 2015**

District	Enrolment 6.9.2010 (after 2011 boundary change)	Variation from ADE	Enrolment 9.3.2015 (before 2015 boundary change)	Variation from ADE	Change in enrolment. 2010-2015
Eyre	21,690	-6.42%	21,657	-13.10%	0.95%
Kalgoorlie	21,012	-9.35%	20,830	-16.42%	-0.10%
Kimberley	21,948	-5.31%	23,159	-7.08%	5.54%
North West Central	19,722	-14.91%	19,432	-22.03%	-9.25%
Pilbara	22,884	-1.27%	23,905	-4.08%	25.58%
<b>Total</b>	<b>107,256</b>		<b>108,983</b>		<b>1.82%</b>
<b>Average district enrolment (ADE) For M &amp; P district</b>	<b>21,451</b>	<b>-7.45%</b>	<b>21,797</b>	<b>-12.54%</b>	

**Large Districts**

District	Approx. Land Area in 2011 <sup>16</sup> (sq. km)	Large District Allowance
Eyre	295,533	4,433
Kalgoorlie	507,600	7,614
Kimberley	419,400	6,291
North West Central	656,533	9,848
Pilbara	527,467	6,063
		<b>34,249</b>

16 Source: as calculated during 20 September 2011 Distribution

Table 7

South West electoral region - Number of enrolments and percentage variation from ADE between 2011 and 2015

District	Enrolment 6.9.2010 (after 2011 boundary change)	Variation from ADE	Enrolment 9.3.2015 (before 2015 boundary change)	Variation from ADE	Change in enrolment. 2010-2015
Albany	23,095	-0.36%	24,302	-2.49%	5.23%
Bunbury	23,689	2.20%	23,901	-4.10%	0.89%
Collie-Preston	22,000	-5.08%	24,509	-1.66%	11.40%
Dawesville	23,258	0.35%	26,507	6.36%	13.97%
Mandurah	22,352	-3.56%	25,298	1.51%	13.18%
Murray Wellington	22,540	-2.75%	25,295	1.49%	12.22%
Vasse	21,533	-7.10%	25,003	0.32%	16.11%
Warren-Blackwood	24,998	7.85%	26,391	5.89%	5.57%
<b>Total</b>	<b>183,465</b>		<b>201,206</b>		<b>9.67%</b>
<b>Average district enrolment (ADE) For SW district</b>	<b>22,933</b>	<b>-1.06%</b>	<b>25,151</b>	<b>0.91%</b>	

Table 8

East Metropolitan electoral region - Number of enrolments and percentage variation from ADE between 2011 and 2015

District	Enrolment 6.9.2010 (after 2011 boundary change)	Variation from ADE	Enrolment 9.3.2015 (before 2015 boundary change)	Variation from ADE	Change in enrolment. 2010-2015
Armadale	24,381	5.19%	25,808	3.55%	5.85%
Bassendean	25,011	7.91%	25,337	1.66%	1.30%
Belmont	22,024	-4.98%	22,875	-8.22%	3.86%
Darling Range	23,447	1.16%	30,854	23.80%	31.59%
Forrestfield	24,820	7.08%	26,506	6.35%	6.79%
Gosnells	25,198	8.72%	25,334	1.65%	0.54%
Kalamunda	23,661	2.08%	24,104	-3.29%	1.87%
Maylands	24,957	7.68%	25,841	3.68%	3.54%
Midland	23,954	3.35%	24,995	0.29%	4.35%
Mirrabooka	25,088	8.24%	26,376	5.83%	5.13%
Morley	23,914	3.18%	24,539	-1.54%	2.61%
Mount Lawley	24,815	7.06%	25,943	4.09%	4.55%
Swan Hills	24,346	5.04%	27,890	11.91%	14.56%
West Swan	24,291	4.80%	29,279	17.48%	20.53%
<b>Total</b>	<b>339,907</b>		<b>365,681</b>		<b>7.58%</b>
<b>Average district enrolment (ADE) For EM district</b>	<b>24,279</b>	<b>4.75%</b>	<b>26,120</b>	<b>4.80%</b>	

Table 9

North Metropolitan electoral region – Number of enrolments and percentage variation from ADE between 2011 and 2015

District	Enrolment 6.9.2010 (after 2011 boundary change)	Variation from ADE	Enrolment 9.3.2015 (before 2015 boundary change)	Variation from ADE	Change in enrolment. 2010-2015
Balcatta	24,896	7.41%	25,592	2.68%	2.80%
Butler	24,608	6.17%	33,293	33.58%	35.29%
Carine	24,456	5.51%	24,640	-1.14%	0.75%
Churchlands	25,130	8.42%	26,528	6.44%	5.56%
Cottesloe	24,320	4.93%	25,651	2.92%	5.47%
Girrawheen	25,064	8.14%	28,499	14.35%	13.70%
Hillarys	24,312	4.89%	24,619	-1.22%	1.26%
Joondalup	23,977	3.45%	24,143	-3.13%	0.69%
Kingsley	25,043	8.05%	24,865	-0.23%	-0.71%
Nedlands	24,393	5.24%	25,107	0.74%	2.93%
Ocean Reef	23,814	2.74%	26,276	5.43%	10.34%
Perth	25,213	8.78%	27,764	11.40%	10.12%
Scarborough	24,109	4.02%	25,534	2.45%	5.91%
Wanneroo	23,434	1.10%	27,339	9.69%	16.66%
<b>Total</b>	<b>342,769</b>		<b>369,850</b>		<b>7.90%</b>
<b>Average district enrolment (ADE) For NM district</b>	<b>24,484</b>	<b>5.63%</b>	<b>26,418</b>	<b>6.00%</b>	

Table 10

South Metropolitan electoral region – Number of enrolments and percentage variation from ADE between 2011 and 2015

District	Enrolment 6.9.2010 (after 2011 boundary change)	Variation from ADE	Enrolment 9.3.2015 (before 2015 boundary change)	Variation from ADE	Change in enrolment. 2010-2015
Alfred Cove	23,618	1.90%	24,717	-0.83%	4.65%
Bateman	23,037	-0.61%	23,307	-6.48%	1.17%
Cannington	23,262	0.36%	24,199	-2.90%	4.03%
Cockburn	23,965	3.40%	27,750	11.34%	15.79%
Fremantle	24,992	7.83%	27,062	8.58%	8.28%
Jandakot	24,125	4.09%	25,827	3.63%	7.05%
Kwinana	25,012	7.91%	31,149	24.98%	24.54%
Riverton	24,493	5.67%	24,144	-3.13%	-1.42%
Rockingham	25,054	8.09%	25,322	1.60%	1.07%
South Perth	23,747	2.45%	24,663	-1.04%	3.86%
Southern River	24,328	4.96%	28,006	12.37%	15.12%
Victoria Park	24,259	4.66%	26,248	5.32%	8.20%
Warnbro	25,170	8.59%	30,780	23.50%	22.29%
Willagee	23,765	2.53%	24,467	-1.83%	2.95%
<b>Total</b>	<b>338,827</b>		<b>367,641</b>		<b>8.50%</b>
<b>Average district enrolment (ADE) For SM district</b>	<b>23,178</b>	<b>4.42%</b>	<b>24,923</b>	<b>5.37%</b>	

Table 11

Range of district enrolments across metropolitan and country electorates – comparison between 2011 and 2015

	Enrolment 6.9.2010 (after 2011 boundary change)		Enrolment 9.3.2015 (before 2015 boundary change)	
	Highest	Lowest	Highest	Lowest
Metropolitan	Perth	Belmont	Butler	Belmont
	25,213	22,024	33,293	22,875
Country	Warren-Blackwood	North West Central <sup>17</sup>	Dawesville	North West Central <sup>18</sup>
	24,202	26,260	26,507	19,432

<sup>17</sup> This large districts (100,000 km<sup>2</sup> or greater) qualifies for a Large District Allowance (LDA). This allowance is calculated by multiplying the square kilometres of the district by 1.5%. The final number, calculated by adding the allowance to the number of electors in the district, must be within a range of 20% less or 10% greater than the 'average district enrolment' (ADE).

<sup>18</sup> See LDA above