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Introduction

This appendix analyzes the economic impact of ongoing monthly and quarterly benefit payments made by the California State Teachers' Retirement System (CalSTRS) in fiscal year 2011-2012 (FY 2012) on California and its Senate districts. CalSTRS benefit payments totaled \$10.7 billion in FY 2012, of which approximately \$9.2 billion were ongoing monthly and quarterly benefit payments to beneficiaries living in California. Table D1 reports CalSTRS benefit program payments by Senate district. A significant portion of these payments are spent on in-state goods and services, which supports local businesses. These businesses purchase goods themselves, which increases demand for other local vendors and further enlarges the California workforce and economy.

Table D1 Benefit Payments by Senate District¹

Senate District	Gross Benefit Payments (millions)	Senate District	Gross Benefit Payments (millions)
1 Northeast Cal	\$403.6	21 Palmdale	\$126.9
2 North Coast	\$335.4	22 San Gabriel Valley	\$149.6
3 Napa/Yolano	\$261.7	23 Redlands	\$251.6
4 Roseville-Yuba-Tehama	\$279.9	24 East LA	\$63.5
5 San Joaquin	\$238.9	25 Pasadena	\$371.4
6 Sacramento	\$202.3	26 Coast LA	\$300.7
7 Concord	\$272.0	27 Ventura Co	\$280.5
8 Foothills	\$367.5	28 Coachella Valley	\$221.4
9 Oakland	\$238.8	29 Fullerton	\$263.0
10 Hywd-Frmnt-Snta Clara	\$148.7	30 Culver City	\$166.5
11 San Francisco	\$126.7	31 Riverside	\$150.1
12 Merced	\$156.2	32 Whittier	\$173.2
13 San Mateo	\$242.4	33 Long Beach	\$92.6
14 Fresno/Bakersfield	\$124.4	34 Huntington Beach	\$256.6
15 San Jose	\$259.9	35 Carson	\$143.0
16 Kern	\$262.4	36 Carlsbad	\$340.7
17 Santa Cruz-SLO	\$373.3	37 Irvine	\$380.5
18 San Fernando V	\$117.3	38 East San Diego Co.	\$282.2
19 Santa Barbara/Ventura	\$268.8	39 San Diego	\$283.5
20 Ontario	\$87.6	40 S. San Diego	\$141.0

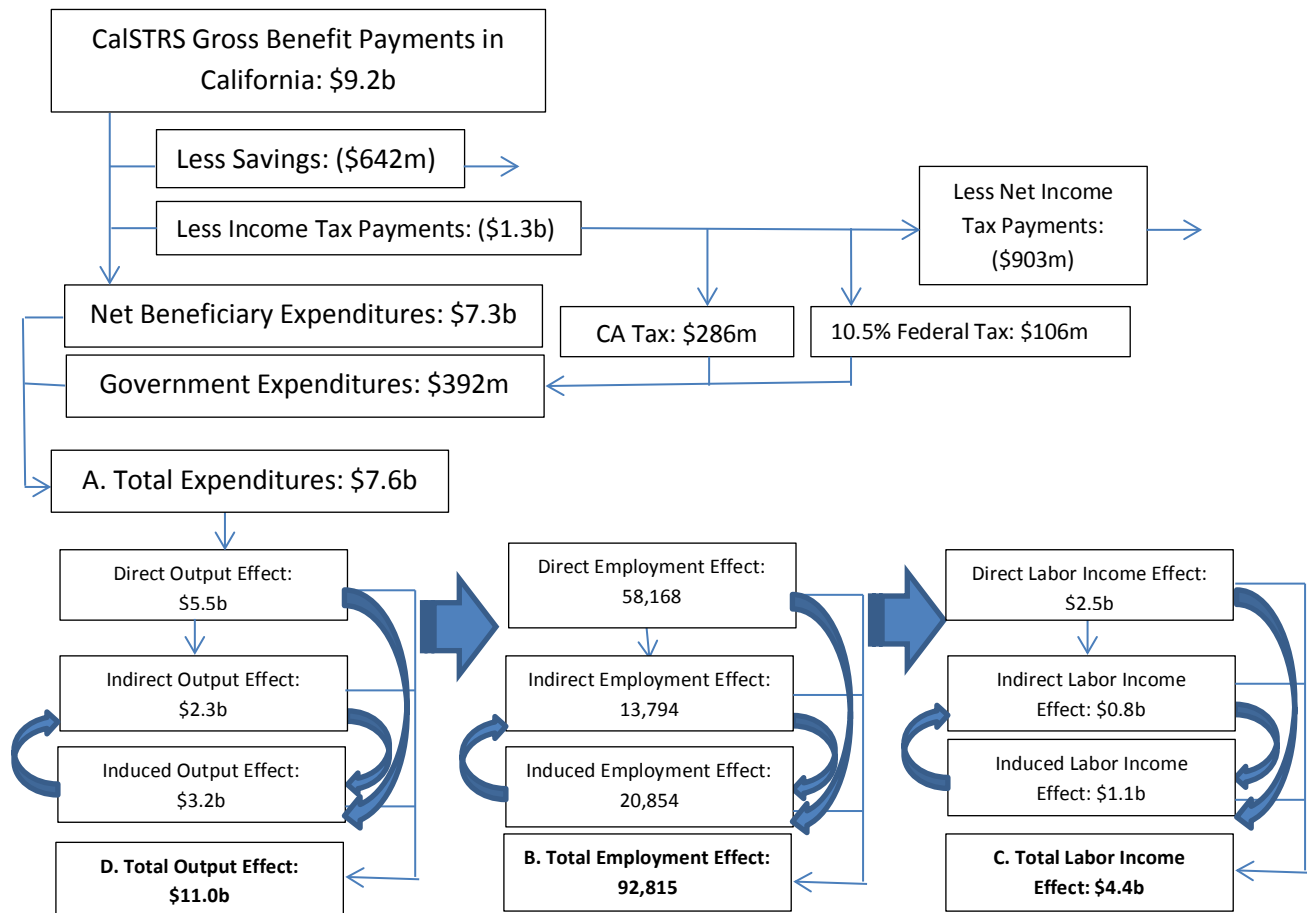
Source: CalSTRS

Before estimating the economic impact of expenditures from these payments, they were adjusted across each Senate district to account for income taxes and savings. This process and details of the economic impact analysis are reported in Section 4 of the Overview Report, but we have included a diagrammatic representation in Figure D1. Once the \$7.6 billion in total expenditures by beneficiaries and government expenditures supported from CalSTRS beneficiary income tax payments were derived,

¹ The names for the Senate districts are taken from the website: *Around The Capitol*. For details see: <http://www.aroundthecapitol.com/districts/>

they were distributed according to industry to get the direct output effect for California and the associated total economic impact. A similar process was followed for each Senate district. Total expenditures for each Senate district were calculated, and then the total output effect was obtained from the sum of direct, indirect, and induced effects that were estimated through input-output models calibrated to reflect each Senate district. Using these models, employment and labor income effects for each Senate district were also derived.

Figure D1 Overview of the Impact Analysis Process



The \$7.3 billion in net beneficiary expenditures, the \$392 million government expenditures supported from CalSTRS beneficiary income tax payments, and the resulting \$7.6 billion in total expenditures are reported by Senate district in Table D2. The Senate districts' rankings with respect to their benefit payments, total output impacts, and total output impacts relative to their economies are reported in Table D3. A summary of net expenditures and the various total effects across Senate districts are then reported in Table D4. A state-wide map of Senate districts is presented as a reference in Figure D2, following which are detailed summaries for each Senate district.

Table D2 Total and Component Expenditures by Senate District FY 2012

Senate District	Beneficiary Expenditures (millions)	Government Expenditures (millions)	Total Expenditures (millions)
1 Northeast Cal	\$321.7	\$15.5	\$337.2
2 North Coast	\$268.4	\$12.5	\$280.9
3 Napa/Yolano	\$207.8	\$10.4	\$218.2
4 Roseville-Yuba-Tehama	\$221.8	\$11.2	\$233.0
5 San Joaquin	\$187.9	\$10.2	\$198.1
6 Sacramento	\$158.5	\$8.9	\$167.4
7 Concord	\$215.3	\$11.2	\$226.6
8 Foothills	\$292.6	\$14.1	\$306.7
9 Oakland	\$188.1	\$10.2	\$198.2
10 Hywd-Frmnt-Snta Clara	\$115.5	\$7.0	\$122.5
11 San Francisco	\$99.0	\$5.6	\$104.6
12 Merced	\$123.4	\$6.4	\$129.8
13 San Mateo	\$190.1	\$10.7	\$200.9
14 Fresno/Bakersfield	\$98.4	\$5.0	\$103.4
15 San Jose	\$202.7	\$12.0	\$214.7
16 Kern	\$207.2	\$10.8	\$218.0
17 Santa Cruz-SLO	\$297.3	\$14.6	\$311.9
18 San Fernando V	\$91.9	\$5.2	\$97.1
19 Santa Barbara/Ventura	\$214.1	\$10.6	\$224.7
20 Ontario	\$68.8	\$3.8	\$72.6
21 Palmdale	\$100.4	\$5.2	\$105.6
22 San Gabriel Valley	\$116.5	\$6.9	\$123.4
23 Redlands	\$198.8	\$10.5	\$209.2
24 East LA	\$49.5	\$2.9	\$52.4
25 Pasadena	\$289.1	\$17.2	\$306.4
26 Coast LA	\$236.3	\$13.2	\$249.5
27 Ventura Co	\$221.1	\$12.0	\$233.0
28 Coachella Valley	\$175.5	\$9.0	\$184.5
29 Fullerton	\$204.9	\$12.2	\$217.1
30 Culver City	\$130.5	\$7.3	\$137.9
31 Riverside	\$117.2	\$6.7	\$124.0
32 Whittier	\$134.7	\$8.0	\$142.7
33 Long Beach	\$72.3	\$4.2	\$76.5
34 Huntington Beach	\$199.6	\$12.0	\$211.6
35 Carson	\$111.9	\$6.3	\$118.3
36 Carlsbad	\$268.3	\$14.8	\$283.0
37 Irvine	\$295.4	\$18.2	\$313.6
38 East San Diego Co.	\$223.9	\$11.4	\$235.3
39 San Diego	\$223.9	\$11.9	\$235.8
40 S. San Diego	\$110.3	\$6.3	\$116.5

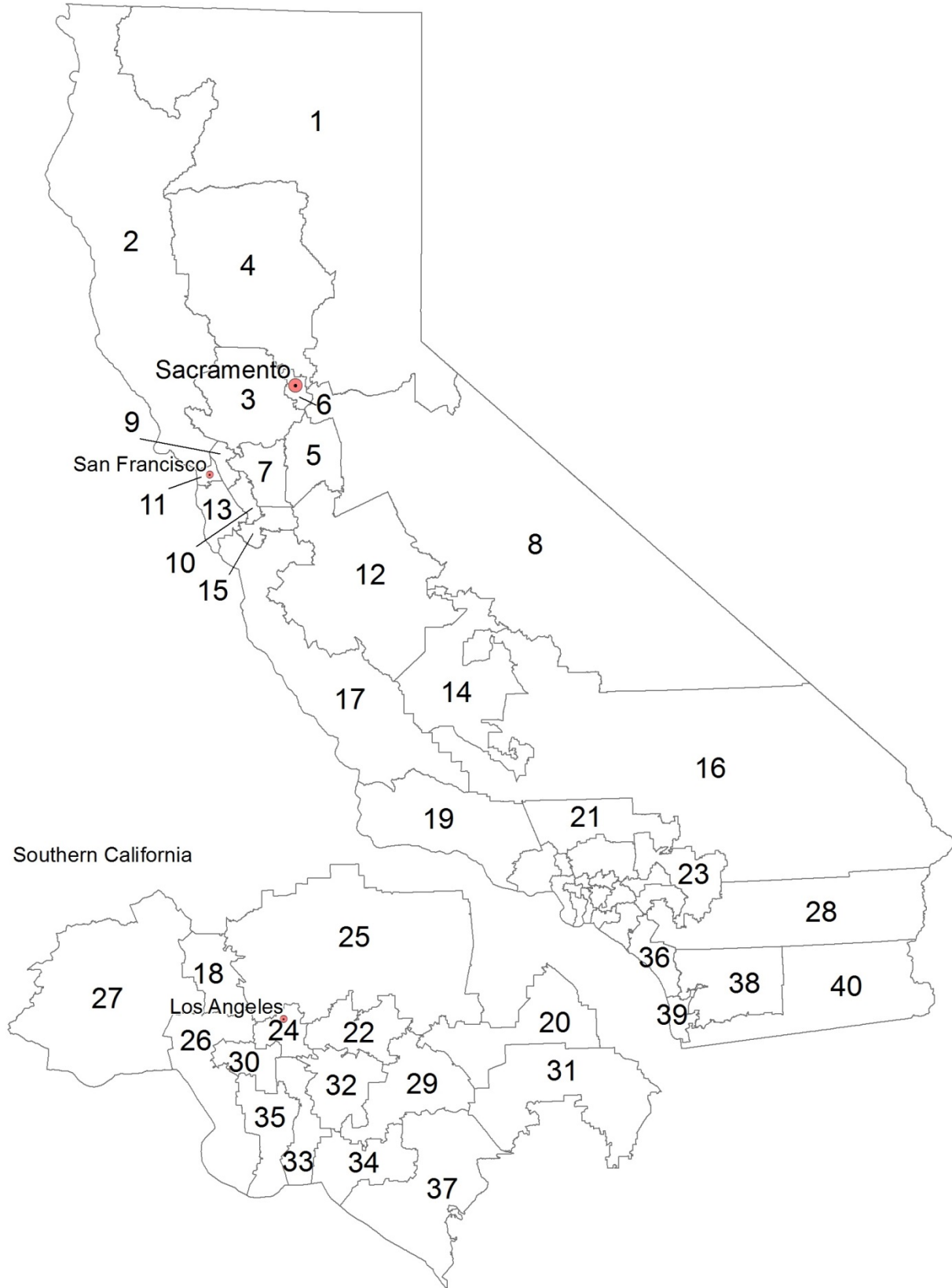
Table D3 Senate Districts Rankings by Benefit Payments, Total Output, and Total Output as % of GRP

Rank	Senate District	Gross Defined Benefit Payments (millions)	Rank	Senate District	Total Output Effect (Millions)	Rank	Senate District	Total Output Effect as % of District's GRP
1	1 Northeast Cal	\$397.4	1	1 Northeast Cal	\$550.0	1	1 Northeast Cal	1.50%
2	37 Irvine	\$374.7	2	37 Irvine	\$484.6	2	2 North Coast	1.22%
3	17 Santa Cruz-SLO	\$367.6	3	25 Pasadena	\$474.5	3	5 San Joaquin	1.12%
4	25 Pasadena	\$365.7	4	8 Foothills	\$472.4	4	36 Carlsbad	1.09%
5	8 Foothills	\$361.8	5	17 Santa Cruz-SLO	\$445.8	5	8 Foothills	1.07%
6	36 Carlsbad	\$335.5	6	36 Carlsbad	\$421.4	6	23 Redlands	1.07%
7	2 North Coast	\$330.2	7	2 North Coast	\$411.5	7	17 Santa Cruz-SLO	1.05%
8	26 Coast LA	\$296.1	8	27 Ventura Co	\$369.8	8	4 Roseville-Yuba-Tehama	1.05%
9	39 San Diego	\$279.2	9	4 Roseville-Yuba-Tehama	\$369.1	9	19 Santa Barbara/Ventura	0.95%
10	38 East San Diego Co.	\$277.9	10	39 San Diego	\$365.1	10	38 East San Diego Co.	0.81%
11	27 Ventura Co	\$276.2	11	7 Concord	\$350.7	11	16 Kern	0.78%
12	4 Roseville-Yuba-Tehama	\$275.6	12	26 Coast LA	\$341.3	12	28 Coachella Valley	0.78%
13	7 Concord	\$267.8	13	19 Santa Barbara/Ventura	\$337.9	13	25 Pasadena	0.75%
14	19 Santa Barbara/Ventura	\$264.7	14	38 East San Diego Co.	\$337.4	14	3 Napa/Yolano	0.68%
15	29 Fullerton	\$259.0	15	34 Huntington Beach	\$326.9	15	7 Concord	0.67%
16	16 Kern	\$258.4	16	29 Fullerton	\$321.5	16	34 Huntington Beach	0.66%
17	3 Napa/Yolano	\$257.7	17	3 Napa/Yolano	\$311.9	17	29 Fullerton	0.66%
18	15 San Jose	\$255.9	18	16 Kern	\$302.7	18	31 Riverside	0.63%
19	34 Huntington Beach	\$252.7	19	23 Redlands	\$296.9	19	21 Palmdale	0.63%
20	23 Redlands	\$247.8	20	5 San Joaquin	\$283.9	20	9 Oakland	0.62%
21	13 San Mateo	\$238.7	21	15 San Jose	\$281.3	21	27 Ventura Co	0.61%
22	5 San Joaquin	\$235.2	22	9 Oakland	\$278.6	22	6 Sacramento	0.60%
23	9 Oakland	\$235.2	23	13 San Mateo	\$261.1	23	37 Irvine	0.59%
24	28 Coachella Valley	\$218.0	24	28 Coachella Valley	\$242.9	24	15 San Jose	0.53%
25	6 Sacramento	\$199.2	25	6 Sacramento	\$241.2	25	12 Merced	0.47%
26	32 Whittier	\$170.6	26	32 Whittier	\$203.1	26	40 S. San Diego	0.44%
27	30 Culver City	\$163.9	27	30 Culver City	\$192.3	27	39 San Diego	0.44%
28	12 Merced	\$153.9	28	22 San Gabriel Valley	\$180.4	28	22 San Gabriel Valley	0.41%
29	31 Riverside	\$147.8	29	10 Hywd-Frmnt-Snta Cla	\$171.2	29	32 Whittier	0.40%
30	22 San Gabriel Valley	\$147.3	30	31 Riverside	\$155.3	30	26 Coast LA	0.36%
31	10 Hywd-Frmnt-Snta Cla	\$146.4	31	11 San Francisco	\$150.0	31	35 Carson	0.31%
32	35 Carson	\$140.8	32	35 Carson	\$144.3	32	18 San Fernando V	0.31%
33	40 S. San Diego	\$138.8	33	18 San Fernando V	\$140.0	33	14 Fresno/Bakersfield	0.30%
34	21 Palmdale	\$125.0	34	12 Merced	\$139.7	34	13 San Mateo	0.29%
35	11 San Francisco	\$124.7	35	21 Palmdale	\$129.2	35	20 Ontario	0.29%
36	14 Fresno/Bakersfield	\$122.5	36	14 Fresno/Bakersfield	\$128.8	36	33 Long Beach	0.27%
37	18 San Fernando V	\$115.5	37	40 S. San Diego	\$121.4	37	30 Culver City	0.26%
38	33 Long Beach	\$91.1	38	20 Ontario	\$107.2	38	11 San Francisco	0.18%
39	20 Ontario	\$86.3	39	33 Long Beach	\$96.7	39	10 Hywd-Frmnt-Snta Cla	0.18%
40	24 East LA	\$62.5	40	24 East LA	\$77.8	40	24 East LA	0.15%

Table D4 California Senate District Economic Impact

Senate District	A. Total Expenditures (millions)	B. Total Employment Effect	C. Total Labor Income Effect (millions)	D. Total Output Effect (millions)
1 Northeast Cal	\$337.2	4,684	\$199.4	\$550.0
2 North Coast	\$280.9	3,449	\$161.1	\$411.5
3 Napa/Yolano	\$218.2	2,712	\$119.0	\$311.9
4 Roseville-Yuba-Tehama	\$233.0	3,122	\$138.2	\$369.1
5 San Joaquin	\$198.1	2,634	\$104.0	\$283.9
6 Sacramento	\$167.4	2,047	\$95.0	\$241.2
7 Concord	\$226.6	2,835	\$140.8	\$350.7
8 Foothills	\$306.7	4,056	\$167.3	\$472.4
9 Oakland	\$198.2	2,295	\$110.3	\$278.6
10 Hywd-Frmnt-Snta Clara	\$122.5	1,379	\$71.3	\$171.2
11 San Francisco	\$104.6	1,061	\$71.9	\$150.0
12 Merced	\$129.8	1,276	\$51.5	\$139.7
13 San Mateo	\$200.9	2,119	\$119.2	\$261.1
14 Fresno/Bakersfield	\$103.4	1,125	\$46.2	\$128.8
15 San Jose	\$214.7	2,287	\$121.4	\$281.3
16 Kern	\$218.0	2,686	\$108.9	\$302.7
17 Santa Cruz-SLO	\$311.9	3,817	\$171.8	\$445.8
18 San Fernando V	\$97.1	1,183	\$59.8	\$140.0
19 Santa Barbara/Ventura	\$224.7	2,905	\$130.1	\$337.9
20 Ontario	\$72.6	939	\$39.2	\$107.2
21 Palmdale	\$105.6	1,150	\$53.5	\$129.2
22 San Gabriel Valley	\$123.4	1,505	\$74.8	\$180.4
23 Redlands	\$209.2	2,705	\$105.7	\$296.9
24 East LA	\$52.4	599	\$30.9	\$77.8
25 Pasadena	\$306.4	3,831	\$195.5	\$474.5
26 Coast LA	\$249.5	2,877	\$145.9	\$341.3
27 Ventura Co	\$233.0	3,049	\$152.2	\$369.8
28 Coachella Valley	\$184.5	2,338	\$88.4	\$242.9
29 Fullerton	\$217.1	2,642	\$134.4	\$321.5
30 Culver City	\$137.9	1,524	\$77.2	\$192.3
31 Riverside	\$124.0	1,443	\$55.8	\$155.3
32 Whittier	\$142.7	1,657	\$84.5	\$203.1
33 Long Beach	\$76.5	758	\$38.1	\$96.7
34 Huntington Beach	\$211.6	2,625	\$138.1	\$326.9
35 Carson	\$118.3	1,202	\$59.6	\$144.3
36 Carlsbad	\$283.0	3,460	\$170.4	\$421.4
37 Irvine	\$313.6	3,874	\$207.0	\$484.6
38 East San Diego Co.	\$235.3	2,833	\$133.7	\$337.4
39 San Diego	\$235.8	3,053	\$147.2	\$365.1
40 S. San Diego	\$116.5	1,078	\$45.1	\$121.4

Figure D2 Map of California Senate Districts in FY 2012



D1. Senate District 1 - Northeast Cal

Economic Description			
Gross Regional Product		\$36,659,151,225	
Population		935,336	
Total Expenditures		\$337,205,771	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	606	29,620,058	96,694,505
Induced Effect	785	35,671,283	117,411,013
Total Effect	4,684	199,377,516	550,021,782
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	542	23,652,598	14,010,095
Department Stores, Superstores & Warehouse Clubs	458	14,946,365	11,508,417
Restaurants, bars, & other eating/drinking places	453	10,995,710	31,478,105
Real estate establishments	187	2,292,912	36,746,133
Retail Stores - Sporting goods, hobby, book and music	167	4,556,507	4,231,590
New/Used vehicle dealers & parts/accessories stores	144	8,875,563	4,957,686
Services to buildings and dwellings	134	3,954,815	9,154,505
Insurance carriers	128	11,205,425	45,015,959
Individual & family social assistance services	126	3,298,363	5,347,442
Vehicle repair and maintenance services	114	5,383,920	10,454,457

D18. Senate District 18 - San Fernando V

Economic Description			
Gross Regional Product		\$45,819,280,845	
Population		928,725	
Total Expenditures		\$97,092,619	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	120	8,787,597	22,338,645
Induced Effect	190	11,079,376	30,602,572
Total Effect	1,183	59,796,885	139,969,765
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	148	6,901,692	3,905,110
Department Stores, Superstores & Warehouse Clubs	121	4,212,807	3,061,631
Restaurants, bars, & other eating/drinking places	116	3,551,616	8,816,033
Real estate establishments	48	1,149,450	10,065,744
New/Used vehicle dealers & parts/accessories stores	48	3,325,007	1,691,438
Individual & family social assistance services	41	1,428,110	2,104,974
Retail Stores - Sporting goods, hobby, book and music	39	1,357,032	1,107,128
Maids, gardeners & others in household operations	35	460,574	473,970
Services to buildings and dwellings	34	1,187,845	2,528,985
Vehicle repair and maintenance services	30	1,619,738	2,943,214

D19. Senate District 19 - Santa Barbara/Ventura

Economic Description			
Gross Regional Product		\$35,706,075,072	
Population		928,850	
Total Expenditures		\$224,707,983	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	348	19,085,293	58,771,091
Induced Effect	431	22,196,490	67,625,553
Total Effect	2,905	130,087,015	337,943,769
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	365	15,268,960	9,000,370
Restaurants, bars, & other eating/drinking places	281	7,667,641	20,376,318
Department Stores, Superstores & Warehouse Clubs	246	8,301,947	6,084,279
Real estate establishments	118	1,832,792	23,636,354
Retail Stores - Sporting goods, hobby, book and music	107	3,098,023	2,747,889
Individual & family social assistance services	97	3,086,103	4,669,456
New/Used vehicle dealers & parts/accessories stores	95	6,316,156	3,220,266
Services to buildings and dwellings	86	2,602,230	5,949,117
Retail Stores - Gasoline stations	75	6,786,099	2,665,592
Vehicle repair and maintenance services	71	3,657,803	6,828,497

D20. Senate District 20 - Ontario

Economic Description			
Gross Regional Product		\$37,061,831,731	
Population		935,935	
Total Expenditures		\$72,616,671	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	103	5,114,128	17,161,929
Induced Effect	149	6,924,673	23,397,050
Total Effect	939	39,183,017	107,156,105
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	119	4,917,249	2,943,644
Department Stores, Superstores & Warehouse Clubs	93	3,335,398	2,405,632
Restaurants, bars, & other eating/drinking places	84	2,102,494	5,912,442
New/Used vehicle dealers & parts/accessories stores	39	2,369,644	1,286,034
Real estate establishments	38	537,926	7,521,413
Individual & family social assistance services	36	854,593	1,429,588
Retail Stores - Gasoline stations	27	1,867,604	879,751
Services to buildings and dwellings	27	856,926	1,898,875
Retail Stores - Sporting goods, hobby, book and music	26	763,034	676,491
Vehicle repair and maintenance services	25	1,082,966	2,212,229

D21. Senate District 21 - Palmdale

Economic Description			
Gross Regional Product		\$20,551,478,660	
Population		930,282	
Total Expenditures		\$105,590,496	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	100	6,181,654	17,625,846
Induced Effect	158	8,423,330	25,377,843
Total Effect	1,150	53,474,221	129,222,114
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	164	7,202,945	4,151,456
Department Stores, Superstores & Warehouse Clubs	136	4,792,445	3,433,271
Restaurants, bars, & other eating/drinking places	124	3,497,680	9,108,182
Real estate establishments	51	998,337	10,486,825
New/Used vehicle dealers & parts/accessories stores	49	3,275,502	1,665,754
Maids, gardeners & others in household operations	37	500,258	514,808
Retail Stores - Sporting goods, hobby, book and music	37	1,202,157	1,005,339
Services to buildings and dwellings	36	1,251,440	2,676,767
Retail Stores - Gasoline stations	36	3,097,593	1,251,208
Vehicle repair and maintenance services	34	1,668,646	3,181,366

D22. Senate District 22 - San Gabriel Valley

Economic Description			
Gross Regional Product		\$43,790,842,649	
Population		929,298	
Total Expenditures		\$123,371,890	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	147	9,978,695	27,358,921
Induced Effect	248	14,226,453	40,897,976
Total Effect	1,505	74,845,053	180,399,227
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	188	8,760,168	4,964,938
Department Stores, Superstores & Warehouse Clubs	159	5,565,056	4,053,330
Restaurants, bars, & other eating/drinking places	148	4,518,876	11,217,026
Real estate establishments	61	1,452,574	12,720,195
New/Used vehicle dealers & parts/accessories stores	61	4,224,507	2,158,064
Retail Stores - Sporting goods, hobby, book and music	53	1,847,814	1,509,176
Individual & family social assistance services	52	1,814,193	2,674,047
Maids, gardeners & others in household operations	44	585,599	602,632
Services to buildings and dwellings	43	1,499,004	3,191,459
Retail Stores - Health and personal care	38	1,993,349	1,276,440

D23. Senate District 23 - Redlands

Economic Description			
Gross Regional Product		\$27,652,059,296	
Population		933,807	
Total Expenditures		\$209,234,083	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	308	13,674,414	47,071,690
Induced Effect	430	18,690,119	63,626,947
Total Effect	2,705	105,713,687	296,892,951
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	340	13,783,387	8,354,842
Department Stores, Superstores & Warehouse Clubs	270	9,514,312	6,938,355
Restaurants, bars, & other eating/drinking places	246	5,808,301	16,947,272
Individual & family social assistance services	117	2,497,352	4,370,891
Real estate establishments	112	1,240,543	21,964,525
New/Used vehicle dealers & parts/accessories stores	99	5,973,373	3,282,921
Retail Stores - Sporting goods, hobby, book and music	84	2,168,412	2,055,098
Services to buildings and dwellings	79	2,459,662	5,519,222
Vehicle repair and maintenance services	75	3,072,192	6,391,083
Maids, gardeners & others in household operations	68	975,929	1,004,313

D24. Senate District 24 - East LA

Economic Description			
Gross Regional Product		\$53,569,991,390	
Population		933,510	
Total Expenditures		\$52,374,862	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	71	5,072,890	13,195,547
Induced Effect	92	5,407,964	15,100,429
Total Effect	599	30,923,117	77,751,066
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	79	3,696,756	2,065,697
Restaurants, bars, & other eating/drinking places	61	1,869,756	4,641,224
Department Stores, Superstores & Warehouse Clubs	29	1,017,909	727,367
Real estate establishments	25	609,295	5,335,593
Individual & family social assistance services	22	759,457	1,119,410
Retail Stores - Sporting goods, hobby, book and music	20	679,950	550,706
Services to buildings and dwellings	18	637,332	1,356,912
Maids, gardeners & others in household operations	18	244,839	251,961
Insurance carriers	16	1,612,929	5,860,238
Vehicle repair and maintenance services	16	865,491	1,572,676

D25. Senate District 25 - Pasadena

Economic Description			
Gross Regional Product		\$63,334,182,936	
Population		926,935	
Total Expenditures		\$306,374,974	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	434	31,945,811	81,936,796
Induced Effect	610	35,669,347	99,483,730
Total Effect	3,831	195,485,402	474,471,988
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	467	21,628,371	12,250,755
Restaurants, bars, & other eating/drinking places	366	11,090,636	27,714,445
Department Stores, Superstores & Warehouse Clubs	335	11,732,071	8,485,404
Real estate establishments	154	3,432,820	32,009,305
New/Used vehicle dealers & parts/accessories stores	138	9,553,427	4,842,757
Retail Stores - Sporting goods, hobby, book and music	133	4,543,713	3,730,599
Individual & family social assistance services	131	4,458,732	6,605,552
Services to buildings and dwellings	109	3,742,674	7,989,489
Maids, gardeners & others in household operations	108	1,445,538	1,487,580
Vehicle repair and maintenance services	94	5,052,489	9,258,780

D26. Senate District 26 - Coast LA

Economic Description			
Gross Regional Product		\$95,483,265,637	
Population		927,757	
Total Expenditures		\$249,487,299	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	314	23,247,681	60,776,018
Induced Effect	299	17,503,088	49,459,269
Total Effect	2,877	145,868,598	341,307,691
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	373	17,403,631	9,425,748
Restaurants, bars, & other eating/drinking places	275	8,428,516	20,921,776
Department Stores, Superstores & Warehouse Clubs	271	9,473,298	6,508,034
Real estate establishments	117	2,802,015	24,537,266
New/Used vehicle dealers & parts/accessories stores	117	8,142,819	3,693,952
Retail Stores - Sporting goods, hobby, book and music	106	3,676,212	2,925,731
Individual & family social assistance services	101	3,495,017	5,151,514
Maids, gardeners & others in household operations	85	1,129,107	1,161,947
Retail Stores - Gasoline stations	80	7,587,120	2,716,557
Vehicle repair and maintenance services	74	4,036,000	7,333,784

D27. Senate District 27 - Ventura Co

Economic Description			
Gross Regional Product		\$60,867,552,793	
Population		935,656	
Total Expenditures		\$233,034,136	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	369	25,086,199	66,874,651
Induced Effect	428	24,523,441	68,885,166
Total Effect	3,049	152,209,474	369,797,328
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	359	16,296,651	9,197,193
Department Stores, Superstores & Warehouse Clubs	301	10,391,349	7,455,589
Restaurants, bars, & other eating/drinking places	278	8,128,189	20,730,702
Real estate establishments	117	2,614,700	24,306,986
New/Used vehicle dealers & parts/accessories stores	114	7,845,241	3,861,513
Retail Stores - Sporting goods, hobby, book and music	103	3,402,087	2,816,848
Individual & family social assistance services	101	3,315,943	4,977,362
Services to buildings and dwellings	85	2,790,271	6,097,524
Insurance carriers	82	8,387,504	30,049,537
Maids, gardeners & others in household operations	78	1,089,863	1,121,561

D28. Senate District 28 - Coachella Valley

Economic Description			
Gross Regional Product		\$31,283,207,942	
Population		930,072	
Total Expenditures		\$184,541,011	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	261	10,353,486	39,004,021
Induced Effect	343	13,878,866	48,786,323
Total Effect	2,338	88,401,098	242,893,469
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	293	12,808,402	7,457,760
Department Stores, Superstores & Warehouse Clubs	246	8,097,746	6,083,385
Restaurants, bars, & other eating/drinking places	238	6,033,849	16,786,849
New/Used vehicle dealers & parts/accessories stores	101	5,861,869	3,228,243
Real estate establishments	98	987,346	19,064,721
Retail Stores - Sporting goods, hobby, book and music	92	2,374,424	2,254,258
Services to buildings and dwellings	72	2,035,023	4,838,351
Vehicle repair and maintenance services	65	2,735,542	5,604,437
Retail Stores - Gasoline stations	62	4,165,442	1,956,856
Retail Stores - Health and personal care	56	2,723,511	1,799,917

D29. Senate District 29 - Fullerton

Economic Description			
Gross Regional Product		\$48,602,962,603	
Population		925,494	
Total Expenditures		\$217,051,752	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	291	19,415,527	53,400,214
Induced Effect	402	22,947,537	67,467,377
Total Effect	2,642	134,442,774	321,542,215
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	337	15,080,098	8,646,382
Department Stores, Superstores & Warehouse Clubs	272	10,013,254	7,038,562
Restaurants, bars, & other eating/drinking places	259	7,697,700	19,458,799
Real estate establishments	105	2,592,793	22,060,232
Retail Stores - Sporting goods, hobby, book and music	93	3,254,399	2,636,062
New/Used vehicle dealers & parts/accessories stores	91	6,722,689	3,303,792
Services to buildings and dwellings	80	2,511,948	5,609,956
Maids, gardeners & others in household operations	76	1,020,972	1,050,667
Insurance carriers	75	8,149,235	27,981,903
Retail Stores - Gasoline stations	68	6,230,254	2,434,341

D30. Senate District 30 - Culver City

Economic Description			
Gross Regional Product		\$74,573,576,646	
Population		922,496	
Total Expenditures		\$137,861,116	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	178	13,049,311	34,049,300
Induced Effect	183	10,568,707	30,448,324
Total Effect	1,524	77,184,124	192,317,876
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	399	18,300,779	10,168,670
Restaurants, bars, & other eating/drinking places	299	9,010,679	22,655,396
Department Stores, Superstores & Warehouse Clubs	201	6,905,236	4,882,909
Real estate establishments	126	2,951,114	26,176,310
Individual & family social assistance services	109	3,709,266	5,537,840
Retail Stores - Sporting goods, hobby, book and music	101	3,473,181	2,819,554
Maids, gardeners & others in household operations	91	1,197,591	1,248,319
Services to buildings and dwellings	80	2,718,010	5,861,435
Vehicle repair and maintenance services	79	4,258,415	7,837,755
Retail Stores - Health and personal care	70	3,642,319	2,233,511

D31. Senate District 31 - Riverside

Economic Description			
Gross Regional Product		\$24,596,969,911	
Population		940,612	
Total Expenditures			
		\$123,956,848	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	157	6,657,960	23,723,496
Induced Effect	214	9,147,668	32,363,242
Total Effect	1,443	55,767,890	155,272,518
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	196	8,522,012	4,945,299
Department Stores, Superstores & Warehouse Clubs	140	4,645,010	3,454,587
Restaurants, bars, & other eating/drinking places	130	3,278,235	9,157,526
New/Used vehicle dealers & parts/accessories stores	67	3,893,426	2,117,706
Real estate establishments	64	638,009	12,409,952
Services to buildings and dwellings	47	1,323,090	3,149,070
Retail Stores - Sporting goods, hobby, book and music	47	1,200,489	1,136,974
Vehicle repair and maintenance services	43	1,814,856	3,724,551
Retail Stores - Gasoline stations	39	2,628,813	1,228,986
Maids, gardeners & others in household operations	36	586,069	603,114

D32. Senate District 32 - Whittier

Economic Description			
Gross Regional Product		\$50,683,786,452	
Population		933,406	
Total Expenditures		\$142,717,662	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	162	11,098,686	31,159,902
Induced Effect	259	15,115,390	44,579,247
Total Effect	1,657	84,478,400	203,127,906
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	218	10,073,369	5,698,707
Department Stores, Superstores & Warehouse Clubs	182	6,463,930	4,642,478
Restaurants, bars, & other eating/drinking places	168	5,149,586	12,795,245
New/Used vehicle dealers & parts/accessories stores	69	4,900,547	2,450,947
Real estate establishments	69	1,669,604	14,405,586
Maids, gardeners & others in household operations	50	672,869	692,439
Retail Stores - Sporting goods, hobby, book and music	50	1,760,215	1,425,109
Services to buildings and dwellings	50	1,693,246	3,643,696
Individual & family social assistance services	45	1,607,108	2,350,542
Retail Stores - Health and personal care	43	2,304,025	1,456,305

D33. Senate District 33 - Long Beach

Economic Description			
Gross Regional Product		\$36,381,475,823	
Population		926,972	
Total Expenditures		\$76,491,415	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	75	4,973,612	14,885,925
Induced Effect	104	5,922,373	18,697,268
Total Effect	758	38,125,528	96,699,925
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	116	5,395,425	3,005,525
Restaurants, bars, & other eating/drinking places	79	2,409,264	5,980,419
Department Stores, Superstores & Warehouse Clubs	64	2,222,799	1,582,902
Real estate establishments	35	838,754	7,344,971
Maids, gardeners & others in household operations	27	356,963	367,344
Services to buildings and dwellings	26	894,533	1,904,505
New/Used vehicle dealers & parts/accessories stores	24	1,676,748	819,905
Individual & family social assistance services	24	826,952	1,218,893
Vehicle repair and maintenance services	23	1,252,054	2,275,095
Insurance carriers	19	1,953,241	7,096,691

D34. Senate District 34 - Huntington Beach

Economic Description			
Gross Regional Product		\$49,401,976,897	
Population		927,893	
Total Expenditures		\$211,617,590	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	292	20,201,728	54,794,249
Induced Effect	416	24,786,129	70,153,595
Total Effect	2,625	138,068,172	326,927,772
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	327	14,773,289	8,441,363
Restaurants, bars, & other eating/drinking places	252	7,675,597	19,131,952
Department Stores, Superstores & Warehouse Clubs	236	8,726,120	6,120,253
Real estate establishments	104	2,707,183	21,913,646
New/Used vehicle dealers & parts/accessories stores	94	7,184,161	3,493,896
Retail Stores - Sporting goods, hobby, book and music	89	3,233,371	2,571,672
Individual & family social assistance services	80	3,224,633	4,557,685
Services to buildings and dwellings	78	2,440,371	5,490,848
Maids, gardeners & others in household operations	74	996,067	1,025,035
Insurance carriers	68	7,745,995	25,971,570

D35. Senate District 35 - Carson

Economic Description			
Gross Regional Product		\$46,683,527,225	
Population		934,615	
Total Expenditures		\$118,277,323	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	111	7,308,764	21,011,206
Induced Effect	175	10,171,633	30,545,862
Total Effect	1,202	59,572,828	144,327,684
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	179	8,348,289	4,650,678
Restaurants, bars, & other eating/drinking places	125	3,840,015	9,531,919
Department Stores, Superstores & Warehouse Clubs	101	3,526,072	2,511,226
Real estate establishments	55	1,309,885	11,470,678
Retail Stores - Sporting goods, hobby, book and music	44	1,532,720	1,239,225
New/Used vehicle dealers & parts/accessories stores	43	2,972,117	1,453,484
Maids, gardeners & others in household operations	41	552,034	568,088
Vehicle repair and maintenance services	36	1,942,401	3,529,520
Individual & family social assistance services	35	1,231,775	1,815,585
Services to buildings and dwellings	33	1,152,090	2,452,859

D36. Senate District 36 - Carlsbad

Economic Description			
Gross Regional Product		\$38,522,060,970	
Population		938,083	
Total Expenditures		\$283,023,953	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	396	25,509,775	71,964,980
Induced Effect	511	28,887,096	85,050,870
Total Effect	3,460	170,413,872	421,433,340
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	454	19,308,152	11,315,848
Department Stores, Superstores & Warehouse Clubs	356	13,134,856	9,209,595
Restaurants, bars, & other eating/drinking places	341	10,143,344	25,591,226
Real estate establishments	140	3,365,820	29,275,110
New/Used vehicle dealers & parts/accessories stores	138	9,688,453	4,845,981
Retail Stores - Sporting goods, hobby, book and music	121	4,265,284	3,450,336
Services to buildings and dwellings	102	3,374,689	7,356,883
Retail Stores - Gasoline stations	98	8,094,041	3,358,971
Maids, gardeners & others in household operations	95	1,336,716	1,375,592
Retail Stores - Health and personal care	85	4,593,143	2,885,163

D37. Senate District 37 - Irvine

Economic Description			
Gross Regional Product		\$81,976,156,695	
Population		937,986	
Total Expenditures		\$313,593,337	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	485	33,200,639	91,891,902
Induced Effect	464	27,828,275	78,951,720
Total Effect	3,874	207,022,149	484,632,287
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	479	21,522,793	11,991,900
Department Stores, Superstores & Warehouse Clubs	383	14,352,264	9,649,022
Restaurants, bars, & other eating/drinking places	354	10,755,461	26,827,733
Real estate establishments	149	3,944,580	31,592,971
New/Used vehicle dealers & parts/accessories stores	140	10,778,805	4,853,909
Retail Stores - Sporting goods, hobby, book and music	128	4,754,396	3,700,786
Services to buildings and dwellings	115	3,571,268	8,043,910
Individual & family social assistance services	114	4,633,954	6,523,372
Maids, gardeners & others in household operations	105	1,428,623	1,470,173
Insurance carriers	104	11,822,154	39,510,441

D38. Senate District 38 - East San Diego Co.

Economic Description			
Gross Regional Product		\$41,545,083,030	
Population		929,760	
Total Expenditures		\$235,273,371	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	308	19,274,842	53,984,245
Induced Effect	389	20,840,450	62,179,675
Total Effect	2,833	133,663,667	337,369,152
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	389	15,735,574	9,417,617
Department Stores, Superstores & Warehouse Clubs	289	10,575,406	7,427,046
Restaurants, bars, & other eating/drinking places	282	8,311,852	21,101,899
Real estate establishments	116	2,508,453	24,027,908
New/Used vehicle dealers & parts/accessories stores	106	6,950,085	3,557,317
Retail Stores - Sporting goods, hobby, book and music	104	3,473,674	2,874,175
Retail Stores - Gasoline stations	86	6,283,184	2,792,204
Services to buildings and dwellings	83	2,868,203	6,107,637
Insurance carriers	82	7,048,338	28,732,372
Maids, gardeners & others in household operations	77	1,113,997	1,146,396

D39. Senate District 39 - San Diego

Economic Description			
Gross Regional Product		\$83,304,675,121	
Population		928,044	
Total Expenditures		\$235,782,956	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	392	25,213,936	68,198,521
Induced Effect	372	20,957,676	59,045,055
Total Effect	3,053	147,203,641	365,144,227
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	385	15,594,678	9,152,292
Department Stores, Superstores & Warehouse Clubs	283	10,358,716	7,094,604
Restaurants, bars, & other eating/drinking places	275	8,103,635	20,573,287
Real estate establishments	117	2,532,760	24,260,722
New/Used vehicle dealers & parts/accessories stores	115	7,542,436	3,669,359
Retail Stores - Sporting goods, hobby, book and music	103	3,444,715	2,818,540
Individual & family social assistance services	93	3,430,009	4,972,943
Insurance carriers	86	7,398,051	30,157,965
Services to buildings and dwellings	84	2,890,030	6,154,119
Retail Stores - Gasoline stations	79	5,753,608	2,466,199

D40. Senate District 40 - S. San Diego

Economic Description			
Gross Regional Product		\$27,621,271,024	
Population		935,055	
Total Expenditures		\$116,521,797	
Economic Impact			
Impact Type	Employment	Labor Income	Output
Indirect Effect	87	4,704,310	14,884,869
Induced Effect	104	4,913,116	16,849,453
Total Effect	1,078	45,131,079	121,378,765
Top Ten Industries Affected by Employment			
Description	Employment	Labor Income	Output
Supermarkets, liquor, & other food/beverage stores	172	6,883,284	4,031,483
Department Stores, Superstores & Warehouse Clubs	145	5,252,198	3,581,019
Restaurants, bars, & other eating/drinking places	98	2,794,276	7,251,781
Real estate establishments	53	1,096,193	10,890,455
Maids, gardeners & others in household operations	39	533,729	549,253
New/Used vehicle dealers & parts/accessories stores	39	2,427,443	1,190,043
Retail Stores - Gasoline stations	37	2,536,996	1,110,425
Vehicle repair and maintenance services	31	1,563,183	2,943,818
Services to buildings and dwellings	30	976,087	2,145,431
Retail Stores - Clothing and clothing accessories	30	774,972	1,235,600