

Climate Policy at the Local Level: A Survey of Cities and Counties

Technical Appendix

Ellen Hanak
Louise Bedsworth
Sarah Swanbeck
Joanna Malaczynski

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Description

This document is an appendix to the Public Policy Institute of California report, *Climate Policy at the Local Level: A Survey of Cities and Counties*. It provides additional detail on regional patterns of responses to the survey questions presented in the main report, available at <http://www.ppic.org/main/publication.asp?i=849>.



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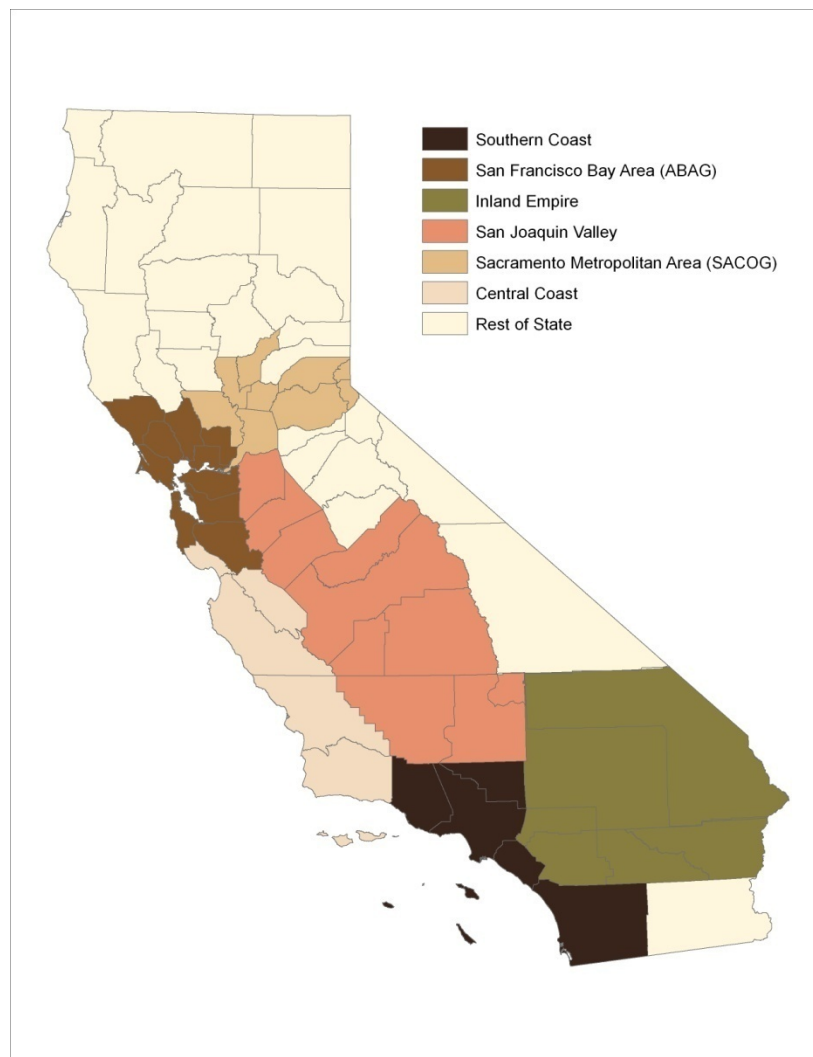
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Introduction

This appendix presents regional breakdowns of responses to some of the survey questions on local climate policies. We use the seven regional categories noted in Appendix A to the main report (Figure 1).

Figure 1
California Regions



Two coastal regions - the Southern California Coast and the San Francisco Bay Area - are the state's historical metropolitan areas, where the majority of the population still lives (Table 1). Three inland regions - the Sacramento Metro Area, the San Joaquin Valley, and the Inland Empire - have become the state's most rapidly growing areas. Over the coming decades, these three regions are expected to absorb over half the projected increase in California's population. The Central Coast is a more sparsely populated region where growth has been slower. We have grouped rural counties with relatively low populations into a seventh category, labeled "Rest of State." The challenges for reducing emissions are likely to vary across

regions facing different types of population and growth pressures. On the one hand, areas that are growing more rapidly have potentially greater opportunities to incorporate climate change considerations into their planning processes. On the other hand, the larger, more established areas may have greater resources to devote to these issues.

Two of the regional groupings shown here correspond directly to regional associations of government – the Association of Bay Area Governments (ABAG) and the Sacramento Area Council of Governments (SACOG). These regional planning efforts have helped to spur local action on the climate policy front. In other regions, partnerships have also played a role, but smaller groups, such as localized councils of government, appear more important than larger regional groups.

Table 1
Current and Projected Regional Population

Region	Population		Annual Population Growth (%)	
	2008	2050	1991-2008	2008-2050
South Coast	17,500,000	22,787,876	1.2	0.7
San Francisco Bay Area	7,301,080	10,294,746	1.2	1.0
Inland Empire	4,144,088	8,393,115	3.2	2.4
San Joaquin Valley	3,956,003	9,455,181	2.4	3.3
Sacramento Metropolitan Area	2,304,411	4,054,045	2.4	1.8
Central Coast	1,450,844	2,024,438	1.1	0.9
Rest of State	1,430,074	2,498,474	1.3	1.8
California	38,086,500	59,507,876	1.5	1.3

Source: California Department of Finance 2007a, 2007b, 2008.

The tables and figures presented in this appendix show unadjusted patterns of regional responses, without controlling for population size, household income, and share of local voters registered as Republicans. As seen in the main report, these three factors are all significantly associated with response patterns of individual jurisdictions. Where relevant, table and figure notes comment on whether significant regional differences persist even after controlling for these factors, suggesting the importance of distinctly regional characteristics (for instance, the role of regional planning initiatives).

Local Policies and Programs to Limit GHG Emissions

Table 2
Are there departments, divisions, or working groups in your city/county administration working on climate change issues? (% of jurisdictions)

Region	Yes	No	Don't know
South Coast	74	26	0
Bay Area	99	1	0
Inland Empire	73	27	0
San Joaquin Valley	65	27	8
Sacramento Metro	88	12	0
Central Coast	76	24	0
Rest of State	51	49	0
Statewide average	75	24	1

Note: Corresponds to Table 1 in main report. Sample size is 310. Percentages may not total to 100 due to rounding. Without controls, all regions except Sacramento have significantly lower shares of “yes” than the Bay Area. With controls, only the South Coast and the Inland Empire are significantly below the Bay Area.

Table 3
Has your city/county already conducted or made plans to conduct a carbon emissions inventory to determine current emissions levels from different activities? (% of jurisdictions)

For Local Government Facilities and Operations				
	Already done	Plan to do	No plans at this time	Don't know
South Coast	13	32	53	2
Bay Area	52	46	3	0
Inland Empire	6	48	42	3
San Joaquin Valley	0	29	71	0
Sacramento Metro	44	25	19	13
Central Coast	16	47	32	5
Rest of State	3	25	72	0
Statewide average	19	36	44	2

For the Community as a Whole				
	Already done	Plan to do	No plans at this time	Don't know
South Coast	4	21	72	2
Bay Area	49	35	15	1
Inland Empire	3	41	53	3
San Joaquin Valley	0	26	74	0
Sacramento Metro	12	53	35	0
Central Coast	10	30	55	5
Rest of State	5	14	81	0
Statewide average	14	28	57	2

Notes: Corresponds to Table 2 in main report. Sample size is 301. Without controls, the Bay Area is ahead of all other regions. After controls, the Bay Area is ahead of the South Coast, the Central Coast and the San Joaquin Valley, and the Sacramento Metro Area is ahead of the South Coast.

Table 4
Has your city/county developed a climate action plan? (% of jurisdictions)

	Yes	Not yet, but plan to	No	Don't know
South Coast	8	34	54	4
Bay Area	16	76	8	0
Inland Empire	6	45	48	0
San Joaquin Valley	0	36	60	4
Sacramento Metro	18	41	41	0
Central Coast	0	62	38	0
Rest of State	3	28	69	0
Statewide average	7	45	45	2

Notes: Corresponds to Table 3 in main report. Sample size is 307. Without controls, the Bay Area is ahead of all other regions. With controls, the Bay Area is ahead of the South Coast.

Table 5
Has your city/county incorporated measures to limit greenhouse gas emissions into the following planning or regulatory processes? (% of jurisdictions)

General Plan Policies	Already done	Plan to do	No plans at this time	Don't know
South Coast	10	51	36	3
Bay Area	18	57	19	6
Inland Empire	15	61	21	3
San Joaquin Valley	24	60	16	0
Sacramento Metro	25	56	19	0
Central Coast	14	52	33	0
Rest of State	10	36	44	10
CEQA reviews				
South Coast	24	40	29	7
Bay Area	23	46	19	13
Inland Empire	27	45	24	3
San Joaquin Valley	24	48	28	0
Sacramento Metro	27	60	13	0
Central Coast	14	48	29	10
Rest of State	16	34	42	8
Building codes				
South Coast	13	39	42	6
Bay Area	20	48	21	11
Inland	16	45	35	3
San Joaquin Valley	12	48	32	8
Sacramento Metro	0	69	31	0
Central Coast	5	48	33	14
Other	11	26	55	8

Table 5 (continued)

Title 24 energy codes	Already done	Plan to do	No plans at this time	Don't know
South Coast	21	23	38	18
Bay Area	26	44	15	15
Inland Empire	27	45	21	6
San Joaquin Valley	20	28	40	12
Sacramento Metro	6	50	31	13
Central Coast	14	29	38	19
Rest of State	8	21	55	16
Zoning requirements				
South Coast	6	42	47	6
Bay Area	15	39	34	13
Inland Empire	12	52	33	3
San Joaquin Valley	8	56	32	4
Sacramento Metro	6	63	25	6
Central Coast	0	45	40	15
Rest of State	3	34	55	8

Notes: Corresponds to Table 4 in main report. Sample sizes range from 301 to 303. Without controls, Rest of State has lower activity than other regions for all five areas, and South Coast is below others for General Plan updates and building codes. The Bay Area, Sacramento, and the Inland Empire are more active on Title 24 energy codes. With controls, inland regions have higher activity on zoning codes than coastal regions.

Table 6
Current or planned policies or programs on renewable energy
(% of jurisdictions)

	Facilities and operations	Local businesses	Local residents	No programs or plans at this time	Don't know
South Coast	47	28	32	44	3
Bay Area	73	36	45	19	0
Inland Empire	58	27	24	30	3
San Joaquin Valley	40	24	12	44	0
Sacramento Metro	50	31	38	38	0
Central Coast	50	20	25	50	0
Rest of State	28	31	23	56	0
Statewide average	50	29	30	40	1

Note: Corresponds to Table 5 in main report. Sample size is 306. Without controls, the Bay Area is ahead of the San Joaquin Valley, South Coast, Central Coast, and Rest of State regions. With controls, the Bay Area is ahead of the South Coast.

Table 7
Current or planned policies or programs on “climate-friendly” purchasing
(% of jurisdictions)

	Facilities and operations	Local businesses	Local residents	No programs or plans at this time	Don't know
South Coast	63	14	14	31	3
Bay Area	82	30	28	9	5
Inland Empire	75	31	31	19	3
San Joaquin Valley	52	8	8	40	0
Sacramento Metro	67	13	20	27	7
Central Coast	62	14	10	29	5
Rest of State	50	16	18	42	3
Statewide average	65	18	18	28	3

Note: Corresponds to Table 5 in main report. Sample size is 303. Without controls, the Bay Area is ahead of the San Joaquin Valley, South Coast, Central Coast, and Rest of State regions. With controls, there are no significant regional differences.

Table 8
Current or planned policies or programs on energy efficiency
 (% of jurisdictions)

	Facilities and operations	Local businesses	Local residents	No programs or plans at this time	Don't know
South Coast	76	26	27	23	0
Bay Area	89	38	35	8	0
Inland Empire	79	39	33	18	0
San Joaquin Valley	69	23	15	23	4
Sacramento Metro	75	25	19	19	6
Central Coast	83	28	17	17	0
Rest of State	51	21	23	41	3
Statewide average	74	29	26	22	1

Notes: Corresponds to Table 5 in main report. Sample size equals 302. Without controls, the Bay Area is ahead of the San Joaquin Valley, South Coast, and Rest of State regions. With controls, there are no significant regional differences.

Table 9
Current or planned policies or programs on “green building”
 (% of jurisdictions)

	Facilities and operations	Local businesses	Local residents	No programs or plans at this time	Don't know
South Coast	65	42	33	27	1
Bay Area	93	59	60	6	0
Inland Empire	91	63	53	9	0
San Joaquin Valley	46	17	13	46	4
Sacramento Metro	63	50	31	25	0
Central Coast	55	30	30	35	5
Rest of State	36	28	26	51	5
Statewide average	65	42	36	28	2

Notes: Corresponds to Table 5 in main report. Sample size equals 303. Without controls, the Bay Area is ahead of the Sacramento Metro Area, San Joaquin Valley, South Coast, Central Coast, and Rest of State regions. With controls, there are no significant regional differences.

Table 10
Current or planned policies or programs on transportation
 (% of jurisdictions)

Transportation	Facilities and operations	Local businesses	Local residents	No programs or plans at this time	Don't know
South Coast	85	12	11	15	0
Bay Area	92	15	16	6	0
Inland Empire	85	18	9	9	0
San Joaquin Valley	80	12	8	12	4
Sacramento Metro	81	6	0	19	0
Central Coast	75	5	10	25	0
Rest of State	53	5	13	45	0
Statewide average	80	11	11	18	1

Notes: Corresponds to Table 5 in main report. Sample size equals 305. Without controls, the Bay Area is ahead of the Central Coast and the Rest of State regions. With controls, there are no significant regional differences.

Table 11
Current or planned policies or programs on land use
 (% of jurisdictions)

	Facilities and operations	Local businesses	Local residents	No programs or plans at this time	Don't know
South Coast	46	43	36	36	1
Bay Area	62	58	53	9	9
Inland	42	21	24	30	6
San Joaquin Valley	44	36	28	36	4
Sacramento Metro	71	43	43	21	0
Central Coast	43	33	43	38	5
Other	21	18	18	56	10
Statewide average	46	38	35	33	5

Notes: Corresponds to Table 5 in main report. Sample size equals 302. Without controls, the Bay Area is ahead of the San Joaquin Valley, South Coast, Inland Empire, Central Coast, and Rest of State regions. With controls, the Bay Area is ahead of the South Coast, Central Coast, and Rest of State regions.

Table 12
Current or planned policies or programs on waste reduction/recycling
(% of jurisdictions)

	Facilities and operations	Local businesses	Local residents	No programs or plans at this time	Don't know
South Coast	81	55	61	16	0
Bay Area	91	66	65	8	1
Inland Empire	79	64	64	15	3
San Joaquin Valley	77	69	42	8	4
Sacramento Metro	81	50	44	19	0
Central Coast	76	43	52	19	0
Rest of State	67	51	51	31	0
Statewide average	80	58	56	16	1

Notes: Corresponds to Table 5 in main report. Sample size equals 308. Without controls, the Bay Area is ahead of the Rest of State region. With controls, there are no significant regional differences.

Table 13
Current or planned policies or programs on water use efficiency
(% of jurisdictions)

	Facilities and operations	Local businesses	Local residents	No programs or plans at this time	Don't know
South Coast	78	46	50	18	2
Bay Area	88	58	54	6	3
Inland Empire	76	58	58	18	3
San Joaquin Valley	72	44	52	16	0
Sacramento Metro	69	50	56	25	6
Central Coast	61	50	44	22	6
Rest of State	50	39	37	42	3
Statewide average	73	49	50	20	3

Notes: Corresponds to Table 5 in main report. Sample size equals 300. Without controls, the Bay Area is ahead of the Sacramento Metro Area, South Coast, Central Coast, and Rest of State regions. With controls, there are no significant regional differences.

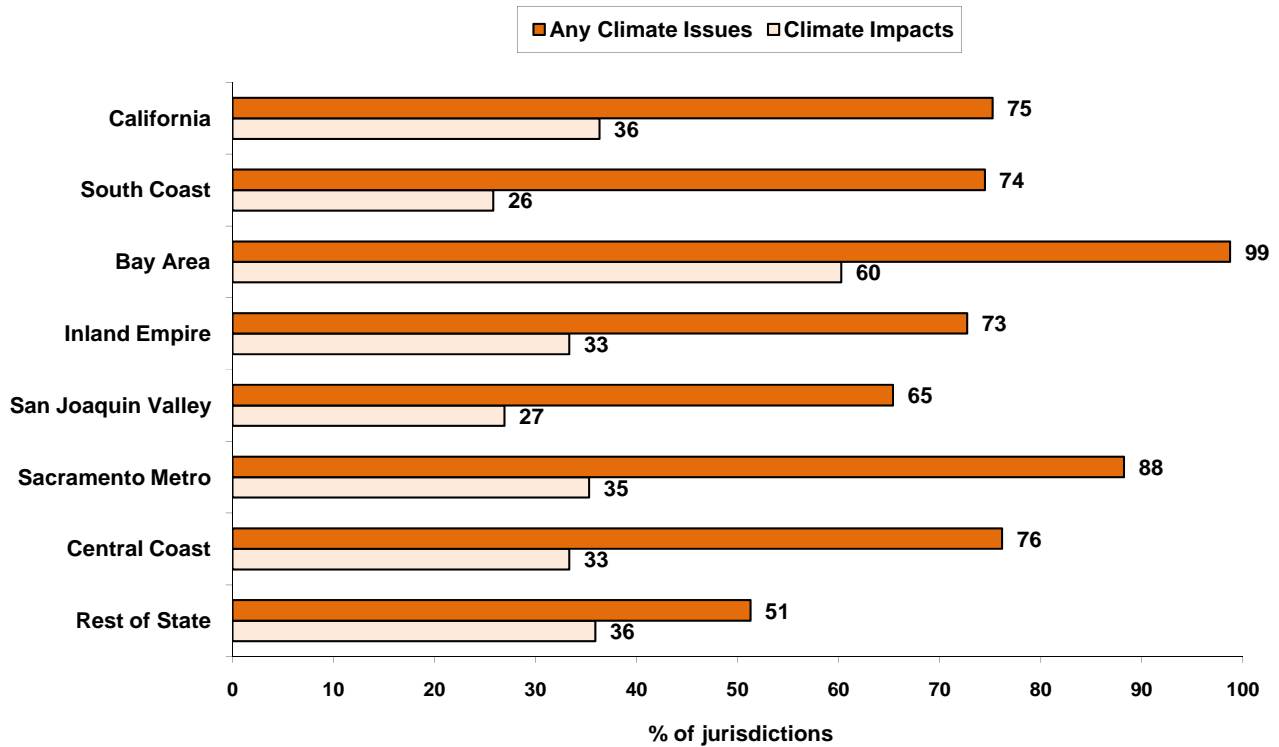
Table 14
Current or planned policies or programs for offsetting carbon emissions
(% of jurisdictions)

	Facilities and operations	Local businesses	Local residents	No programs or plans at this time	Don't know
South Coast	48	14	16	48	4
Bay Area	54	24	25	32	9
Inland Empire	42	33	24	48	9
San Joaquin Valley	58	27	19	38	4
Sacramento Metro	40	20	27	47	7
Central Coast	35	15	20	55	5
Rest of State	24	16	16	71	0
Statewide average	45	20	20	48	5

Notes: Corresponds to Table 5 in main report. Sample size equals 303. Without controls, the Bay Area is ahead of the Inland Empire and the Rest of State regions. With controls, there are no significant regional differences.

Preparing for the Impacts of Climate Change

Figure 2
Work on Climate Change Impacts Versus General Work on Climate Change
(% of jurisdictions)



Notes: Figure reports share of jurisdictions responding “yes” to the question described in Table 2 (any work on climate change) and whether any work is being done on climate change impacts. Sample size for impacts question equals 307, with 6 percent of respondents answering “don’t know.” Without controls, all regions have a lower “yes” response rate than the Bay Area on the impacts question. After controls, the Bay Area remains ahead of the South Coast.

Barriers to Adoption of Climate-Related Actions

Table 15

Do you feel your city/county has adequate information to develop effective climate policies or programs? (% of jurisdictions)

	Definitely adequate	Probably adequate	Probably inadequate	Definitely inadequate	Don't know
South Coast	6	27	32	33	1
Bay Area	8	52	34	3	4
Inland Empire	12	24	30	27	6
San Joaquin Valley	0	13	48	39	0
Sacramento Metro	6	29	41	18	6
Central Coast	5	24	43	29	0
Rest of State	3	30	43	22	3
Statewide average	6	30	37	24	2

Notes: Corresponds to Table 6 in main report. Sample size equals 301. With controls, the Bay Area is ahead of all other regions. With controls, the Bay Area is ahead of the San Joaquin Valley, South Coast, and Central Coast regions.

Table 16

Do you feel your city/county has adequate resources (staff and/or funding) to develop effective climate policies or programs? (% of jurisdictions)

	Definitely adequate	Probably adequate	Probably inadequate	Definitely inadequate	Don't know
South Coast	1	17	37	41	3
Bay Area	0	11	47	39	3
Inland Empire	3	15	42	39	0
San Joaquin Valley	0	4	42	54	0
Sacramento Metro	6	0	47	47	0
Central Coast	0	5	33	57	5
Rest of State	3	6	25	64	3
Statewide average	1	10	39	47	2

Notes: Sample size equals 298. There are no significant regional differences.

Table 17

Local support: In your opinion, how much support is there for climate change-related policies in your city/county by the following groups? (% of jurisdictions)

Elected officials	Strong support	Moderate support	Little support	No Support	Don't know
South Coast	32	34	18	2	14
Bay Area	59	34	3	0	4
Inland	42	48	6	0	3
San Joaquin Valley	27	46	19	0	8
Sacramento Metro	53	41	0	0	6
Central Coast	24	62	5	5	5
Rest of State	14	41	24	8	14
Statewide average	35	40	13	2	9
City/county staff					
South Coast	35	52	9	1	3
Bay Area	43	53	3	0	1
Inland	48	39	12	0	0
San Joaquin Valley	46	35	12	0	8
Sacramento Metro	53	35	6	0	6
Central Coast	38	38	14	0	10
Rest of State	19	51	16	8	5
Statewide average	38	47	10	2	4
Businesses and their associations					
South Coast	6	38	32	4	20
Bay Area	8	53	23	0	16
Inland Empire	15	33	21	6	24
San Joaquin Valley	0	42	38	4	15
Sacramento Metro	12	29	35	6	18
Central Coast	0	33	43	5	19
Rest of State	5	16	46	22	11
Statewide average	6	37	33	6	17
Residents and their associations					
South Coast	12	40	25	4	19
Bay Area	24	43	18	0	15
Inland Empire	18	36	15	6	24
San Joaquin Valley	0	46	31	4	19
Sacramento Metro	18	41	18	6	18
Central Coast	10	33	29	0	29
Rest of State	11	28	31	14	17
Statewide average	13	39	24	5	19

Notes: Corresponds to Figure 8 in main report. Sample sizes range from 303 to 305. Without controls, The Bay Area has stronger support from elected officials than all regions except Sacramento for elected officials; stronger support from city/county staff than the Rest of State region, stronger support from businesses than all regions except Sacramento and the Inland Empire, and stronger support from residents than the South Coast, the San Joaquin Valley, and the rest of State. With controls, the Sacramento Metro region, the San Joaquin Valley, and the Inland Empire have stronger support than the Bay Area.

Table 18

In your opinion, how serious a barrier are the following factors to the implementation of climate policies and programs in your city/county? (% of jurisdictions)

Federal or state preemption of local authority	Very serious	Somewhat serious	Not too serious	Not at all serious	Don't know
South Coast	11	31	24	6	28
Bay Area	15	29	33	8	15
Inland Empire	24	27	30	3	15
San Joaquin Valley	38	27	19	12	4
Sacramento Metro	12	29	41	6	12
Central Coast	38	14	33	5	10
Rest of State	24	22	19	5	30
Statewide average	21	27	26	7	19
Difficulties of coordinating with other agencies					
South Coast	8	46	28	4	14
Bay Area	12	35	41	6	6
Inland Empire	9	42	33	12	3
San Joaquin Valley	35	31	23	4	8
Sacramento Metro	12	41	41	0	6
Central Coast	14	29	38	10	10
Rest of State	14	30	32	5	19
Statewide average	14	37	33	6	11
Lack of clarity in the law (e.g., CEQA guidelines)					
South Coast	27	45	16	1	12
Bay Area	19	39	23	8	10
Inland Empire	38	31	23	4	4
San Joaquin Valley	30	27	24	9	9
Sacramento Metro	35	29	29	0	6
Central Coast	29	57	5	0	10
Rest of State	30	32	14	3	22
Statewide average	28	38	19	4	11

Table 18 (continued)

Lack of state-mandated actions	Very serious	Somewhat serious	Not too serious	Not at all serious	Don't know
South Coast	16	31	27	9	17
Bay Area	13	30	29	18	10
Inland Empire	12	15	36	27	9
San Joaquin Valley	12	23	31	27	8
Sacramento Metro	12	29	29	18	12
Central Coast	14	48	19	10	10
Rest of State	3	19	35	16	27
Statewide average	12	28	30	16	14
Conflicting state mandates					
South Coast	20	31	20	3	25
Bay Area	18	30	29	5	18
Inland Empire	18	33	24	6	18
San Joaquin Valley	24	48	16	0	12
Sacramento Metro	18	41	6	6	29
Central Coast	33	38	5	0	24
Rest of State	27	27	22	0	24
Statewide average	22	34	20	3	21

Notes: Corresponds to Figure 9 in main report. Samples sizes range from 304 to 306. Without controls, officials in the South Coast and Central Coast feel more strongly that lack of clarity in the law and conflicting state mandates are a problem. With controls, Central Coast officials feel more strongly that lack of clarity in the law is a problem, and Rest of State officials feel that lack of state mandated actions is *not* a problem.

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PUBLIC POLICY INSTITUTE OF CALIFORNIA

500 Washington Street, Suite 600
San Francisco, California 94111
phone: 415.291.4400
fax: 415.291.4401

PPIC SACRAMENTO CENTER

Senator Office Building
1121 L Street, Suite 801
Sacramento, California 95814
phone: 916.440.1120
fax: 916.440.1121

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