

Autobound EDGE - Compactness Report

Plan Name: State House:10-08-21 v2 HD

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Compactness measure: Polsby-Popper

District	District Area (SQM)	Perimeter (Miles)	Area of Circle with Same Perimeter	Perimeter of Circle with Same Area	Compactness Value
1	25	34	94	18	0.26
2	16	28	61	14	0.26
3	14	24	46	13	0.31
4	57	48	184	27	0.31
5	27	41	136	18	0.20
6	16	28	62	14	0.25
7	23	34	91	17	0.26
8	22	47	177	16	0.12
9	39	36	103	22	0.37
10	30	43	147	19	0.20
11	15	28	62	14	0.25
12	20	24	44	16	0.46
13	18	23	41	15	0.43
14	25	33	86	18	0.29
15	17	29	67	14	0.25
16	21	45	158	16	0.13
17	24	28	61	17	0.39
18	18	27	58	15	0.31
19	28	39	120	19	0.23
20	34	36	103	21	0.33
21	16	35	96	14	0.17
22	49	40	128	25	0.38
23	26	28	63	18	0.42
24	50	36	104	25	0.48
25	23	29	67	17	0.34
26	43	49	190	23	0.23
27	78	57	255	31	0.31
28	27	32	81	18	0.34
29	72	62	304	30	0.24
30	59	52	214	27	0.28
31	995	226	4,050	112	0.25
32	35	29	69	21	0.52
33	142	74	433	42	0.33
34	115	63	317	38	0.36
35	49	42	142	25	0.35
36	104	71	398	36	0.26
37	42	30	72	23	0.58
38	37	43	145	22	0.26
39	81	48	180	32	0.45
40	112	78	478	38	0.23
41	229	96	739	54	0.31
42	25	28	61	18	0.41

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43	30	25	51	19	0.58
44	48	42	139	25	0.34
45	153	55	240	44	0.64
46	209	83	545	51	0.38
47	808	141	1,581	101	0.51
48	296	86	590	61	0.50
49	4,118	305	7,422	227	0.55
50	761	139	1,533	98	0.50
51	125	58	263	40	0.47
52	441	111	982	74	0.45
53	88	103	841	33	0.11
54	405	105	885	71	0.46
55	225	98	771	53	0.29
56	1,086	222	3,925	117	0.28
57	973	198	3,132	111	0.31
58	643	139	1,543	90	0.42
59	3,790	344	9,399	218	0.40
60	171	77	477	46	0.36
61	335	106	886	65	0.38
62	647	124	1,215	90	0.53
63	1,174	161	2,055	121	0.57
64	899	133	1,397	106	0.64
65	390	115	1,046	70	0.37
66	629	119	1,126	89	0.56
67	75	38	116	31	0.65
68	51	46	172	25	0.30
69	50	35	96	25	0.52
70	124	56	247	39	0.50
71	929	228	4,143	108	0.22
72	626	164	2,145	89	0.29
73	35	37	107	21	0.33
74	255	100	795	57	0.32
75	44	31	78	23	0.56
76	40	34	90	23	0.45
77	120	62	303	39	0.40
78	18	29	68	15	0.27
79	42	36	103	23	0.41
80	101	58	264	36	0.38
81	576	138	1,511	85	0.38
82	66	44	157	29	0.42
83	2,200	206	3,362	166	0.65
84	106	53	222	37	0.48
85	417	108	928	72	0.45
86	34	40	129	21	0.27
87	2,756	252	5,048	186	0.55

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88	647	175	2,434	90	0.27
89	78	43	146	31	0.54
90	50	32	84	25	0.59
91	56	44	155	27	0.36
92	599	138	1,523	87	0.39
93	689	151	1,823	93	0.38
94	1,719	191	2,917	147	0.59
95	720	122	1,181	95	0.61
96	260	91	666	57	0.39
97	898	145	1,680	106	0.53
98	283	88	615	60	0.46
99	868	132	1,397	104	0.62
100	1,941	251	4,996	156	0.39
101	3,409	289	6,646	207	0.51
102	2,436	362	10,413	175	0.23
103	2,883	250	4,975	190	0.58
104	2,921	300	7,146	192	0.41
105	7,780	397	12,550	313	0.62
106	4,923	444	15,720	249	0.31
107	9,287	645	33,135	342	0.28
108	10,075	541	23,305	356	0.43
109	14,139	680	36,767	422	0.38
110	46	37	108	24	0.42

Most Compact: 0.65 For District: 83

Least Compact: 0.11 For District: 53

Compactness measure: Schwartzberg

District	District Area (SQM)	Perimeter (Miles)	Area of Circle with Same Perimeter	Perimeter of Circle with Same Area	Compactness Value
1	25	34	94	18	0.51
2	16	28	61	14	0.51
3	14	24	46	13	0.55
4	57	48	184	27	0.55
5	27	41	136	18	0.45
6	16	28	62	14	0.50
7	23	34	91	17	0.51
8	22	47	177	16	0.35
9	39	36	103	22	0.61
10	30	43	147	19	0.45
11	15	28	62	14	0.50
12	20	24	44	16	0.68
13	18	23	41	15	0.66
14	25	33	86	18	0.54
15	17	29	67	14	0.50
16	21	45	158	16	0.37
17	24	28	61	17	0.63

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18	18	27	58	15	0.56
19	28	39	120	19	0.48
20	34	36	103	21	0.57
21	16	35	96	14	0.41
22	49	40	128	25	0.62
23	26	28	63	18	0.64
24	50	36	104	25	0.70
25	23	29	67	17	0.58
26	43	49	190	23	0.47
27	78	57	255	31	0.55
28	27	32	81	18	0.58
29	72	62	304	30	0.49
30	59	52	214	27	0.53
31	995	226	4,050	112	0.50
32	35	29	69	21	0.72
33	142	74	433	42	0.57
34	115	63	317	38	0.60
35	49	42	142	25	0.59
36	104	71	398	36	0.51
37	42	30	72	23	0.76
38	37	43	145	22	0.51
39	81	48	180	32	0.67
40	112	78	478	38	0.48
41	229	96	739	54	0.56
42	25	28	61	18	0.64
43	30	25	51	19	0.76
44	48	42	139	25	0.59
45	153	55	240	44	0.80
46	209	83	545	51	0.62
47	808	141	1,581	101	0.71
48	296	86	590	61	0.71
49	4,118	305	7,422	227	0.74
50	761	139	1,533	98	0.70
51	125	58	263	40	0.69
52	441	111	982	74	0.67
53	88	103	841	33	0.32
54	405	105	885	71	0.68
55	225	98	771	53	0.54
56	1,086	222	3,925	117	0.53
57	973	198	3,132	111	0.56
58	643	139	1,543	90	0.65
59	3,790	344	9,399	218	0.63
60	171	77	477	46	0.60
61	335	106	886	65	0.62
62	647	124	1,215	90	0.73

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63	1,174	161	2,055	121	0.76
64	899	133	1,397	106	0.80
65	390	115	1,046	70	0.61
66	629	119	1,126	89	0.75
67	75	38	116	31	0.80
68	51	46	172	25	0.54
69	50	35	96	25	0.72
70	124	56	247	39	0.71
71	929	228	4,143	108	0.47
72	626	164	2,145	89	0.54
73	35	37	107	21	0.57
74	255	100	795	57	0.57
75	44	31	78	23	0.75
76	40	34	90	23	0.67
77	120	62	303	39	0.63
78	18	29	68	15	0.52
79	42	36	103	23	0.64
80	101	58	264	36	0.62
81	576	138	1,511	85	0.62
82	66	44	157	29	0.65
83	2,200	206	3,362	166	0.81
84	106	53	222	37	0.69
85	417	108	928	72	0.67
86	34	40	129	21	0.52
87	2,756	252	5,048	186	0.74
88	647	175	2,434	90	0.52
89	78	43	146	31	0.73
90	50	32	84	25	0.77
91	56	44	155	27	0.60
92	599	138	1,523	87	0.63
93	689	151	1,823	93	0.62
94	1,719	191	2,917	147	0.77
95	720	122	1,181	95	0.78
96	260	91	666	57	0.62
97	898	145	1,680	106	0.73
98	283	88	615	60	0.68
99	868	132	1,397	104	0.79
100	1,941	251	4,996	156	0.62
101	3,409	289	6,646	207	0.72
102	2,436	362	10,413	175	0.48
103	2,883	250	4,975	190	0.76
104	2,921	300	7,146	192	0.64
105	7,780	397	12,550	313	0.79
106	4,923	444	15,720	249	0.56
107	9,287	645	33,135	342	0.53

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108	10,075	541	23,305	356	0.66
109	14,139	680	36,767	422	0.62
110	46	37	108	24	0.65

Most Compact: 0.81 For District: 83

Least Compact: 0.32 For District: 53

Compactness measure: Reock Score

District	District Area (SQM)	Perimeter (Miles)	Area of Circle with Same Perimeter	Perimeter of Circle with Same Area	Compactness Value
1	25	34	94	18	0.30
2	16	28	61	14	0.39
3	14	24	46	13	0.41
4	57	48	184	27	0.20
5	27	41	136	18	0.23
6	16	28	62	14	0.26
7	23	34	91	17	0.36
8	22	47	177	16	0.19
9	39	36	103	22	0.41
10	30	43	147	19	0.23
11	15	28	62	14	0.23
12	20	24	44	16	0.40
13	18	23	41	15	0.45
14	25	33	86	18	0.35
15	17	29	67	14	0.30
16	21	45	158	16	0.14
17	24	28	61	17	0.29
18	18	27	58	15	0.37
19	28	39	120	19	0.26
20	34	36	103	21	0.37
21	16	35	96	14	0.18
22	49	40	128	25	0.33
23	26	28	63	18	0.38
24	50	36	104	25	0.48
25	23	29	67	17	0.35
26	43	49	190	23	0.52
27	78	57	255	31	0.56
28	27	32	81	18	0.42
29	72	62	304	30	0.27
30	59	52	214	27	0.43
31	995	226	4,050	112	0.47
32	35	29	69	21	0.61
33	142	74	433	42	0.40
34	115	63	317	38	0.42
35	49	42	142	25	0.36
36	104	71	398	36	0.32
37	42	30	72	23	0.50

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38	37	43	145	22	0.33
39	81	48	180	32	0.71
40	112	78	478	38	0.21
41	229	96	739	54	0.31
42	25	28	61	18	0.44
43	30	25	51	19	0.52
44	48	42	139	25	0.36
45	153	55	240	44	0.57
46	209	83	545	51	0.37
47	808	141	1,581	101	0.54
48	296	86	590	61	0.40
49	4,118	305	7,422	227	0.72
50	761	139	1,533	98	0.44
51	125	58	263	40	0.55
52	441	111	982	74	0.39
53	88	103	841	33	0.18
54	405	105	885	71	0.57
55	225	98	771	53	0.51
56	1,086	222	3,925	117	0.37
57	973	198	3,132	111	0.51
58	643	139	1,543	90	0.45
59	3,790	344	9,399	218	0.29
60	171	77	477	46	0.36
61	335	106	886	65	0.39
62	647	124	1,215	90	0.53
63	1,174	161	2,055	121	0.41
64	899	133	1,397	106	0.51
65	390	115	1,046	70	0.45
66	629	119	1,126	89	0.54
67	75	38	116	31	0.47
68	51	46	172	25	0.38
69	50	35	96	25	0.56
70	124	56	247	39	0.51
71	929	228	4,143	108	0.38
72	626	164	2,145	89	0.34
73	35	37	107	21	0.48
74	255	100	795	57	0.32
75	44	31	78	23	0.63
76	40	34	90	23	0.49
77	120	62	303	39	0.51
78	18	29	68	15	0.39
79	42	36	103	23	0.44
80	101	58	264	36	0.52
81	576	138	1,511	85	0.37
82	66	44	157	29	0.63

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83	2,200	206	3,362	166	0.56
84	106	53	222	37	0.61
85	417	108	928	72	0.50
86	34	40	129	21	0.46
87	2,756	252	5,048	186	0.47
88	647	175	2,434	90	0.29
89	78	43	146	31	0.50
90	50	32	84	25	0.62
91	56	44	155	27	0.49
92	599	138	1,523	87	0.52
93	689	151	1,823	93	0.28
94	1,719	191	2,917	147	0.54
95	720	122	1,181	95	0.61
96	260	91	666	57	0.37
97	898	145	1,680	106	0.52
98	283	88	615	60	0.39
99	868	132	1,397	104	0.54
100	1,941	251	4,996	156	0.34
101	3,409	289	6,646	207	0.49
102	2,436	362	10,413	175	0.31
103	2,883	250	4,975	190	0.55
104	2,921	300	7,146	192	0.50
105	7,780	397	12,550	313	0.46
106	4,923	444	15,720	249	0.43
107	9,287	645	33,135	342	0.34
108	10,075	541	23,305	356	0.58
109	14,139	680	36,767	422	0.57
110	46	37	108	24	0.40

Most Compact: 0.72 For District: 49

Least Compact: 0.14 For District: 16

Compactness measure: Length-Width

District	District Area (SQM)	Perimeter (Miles)	Area of Circle with Same Perimeter	Perimeter of Circle with Same Area	Compactness Value
1	25	34	94	18	0.77
2	16	28	61	14	0.93
3	14	24	46	13	0.81
4	57	48	184	27	2.08
5	27	41	136	18	2.32
6	16	28	62	14	0.82
7	23	34	91	17	1.76
8	22	47	177	16	0.73
9	39	36	103	22	1.94
10	30	43	147	19	0.78
11	15	28	62	14	0.83
12	20	24	44	16	0.62

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13	18	23	41	15	0.75
14	25	33	86	18	1.80
15	17	29	67	14	1.08
16	21	45	158	16	0.57
17	24	28	61	17	4.10
18	18	27	58	15	0.69
19	28	39	120	19	2.10
20	34	36	103	21	1.03
21	16	35	96	14	0.48
22	49	40	128	25	0.60
23	26	28	63	18	1.09
24	50	36	104	25	2.15
25	23	29	67	17	0.65
26	43	49	190	23	1.43
27	78	57	255	31	1.97
28	27	32	81	18	0.83
29	72	62	304	30	0.47
30	59	52	214	27	1.76
31	995	226	4,050	112	2.02
32	35	29	69	21	1.54
33	142	74	433	42	0.89
34	115	63	317	38	1.14
35	49	42	142	25	2.77
36	104	71	398	36	1.63
37	42	30	72	23	0.96
38	37	43	145	22	1.93
39	81	48	180	32	1.42
40	112	78	478	38	0.67
41	229	96	739	54	0.98
42	25	28	61	18	1.28
43	30	25	51	19	1.33
44	48	42	139	25	2.60
45	153	55	240	44	1.61
46	209	83	545	51	2.59
47	808	141	1,581	101	1.09
48	296	86	590	61	0.71
49	4,118	305	7,422	227	1.56
50	761	139	1,533	98	1.10
51	125	58	263	40	1.08
52	441	111	982	74	1.66
53	88	103	841	33	3.38
54	405	105	885	71	1.34
55	225	98	771	53	1.43
56	1,086	222	3,925	117	2.06
57	973	198	3,132	111	1.02

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58	643	139	1,543	90	1.04
59	3,790	344	9,399	218	3.54
60	171	77	477	46	0.76
61	335	106	886	65	2.81
62	647	124	1,215	90	1.62
63	1,174	161	2,055	121	2.82
64	899	133	1,397	106	2.61
65	390	115	1,046	70	1.53
66	629	119	1,126	89	1.65
67	75	38	116	31	0.63
68	51	46	172	25	0.78
69	50	35	96	25	1.04
70	124	56	247	39	1.22
71	929	228	4,143	108	2.35
72	626	164	2,145	89	2.34
73	35	37	107	21	1.13
74	255	100	795	57	3.04
75	44	31	78	23	0.98
76	40	34	90	23	1.38
77	120	62	303	39	1.76
78	18	29	68	15	2.04
79	42	36	103	23	0.82
80	101	58	264	36	1.36
81	576	138	1,511	85	1.70
82	66	44	157	29	1.53
83	2,200	206	3,362	166	1.59
84	106	53	222	37	1.21
85	417	108	928	72	0.97
86	34	40	129	21	1.40
87	2,756	252	5,048	186	1.07
88	647	175	2,434	90	0.83
89	78	43	146	31	0.86
90	50	32	84	25	0.93
91	56	44	155	27	1.77
92	599	138	1,523	87	1.27
93	689	151	1,823	93	4.03
94	1,719	191	2,917	147	1.37
95	720	122	1,181	95	1.36
96	260	91	666	57	1.12
97	898	145	1,680	106	1.35
98	283	88	615	60	1.80
99	868	132	1,397	104	2.39
100	1,941	251	4,996	156	0.73
101	3,409	289	6,646	207	0.90
102	2,436	362	10,413	175	1.80

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103	2,883	250	4,975	190	1.39
104	2,921	300	7,146	192	1.39
105	7,780	397	12,550	313	1.85
106	4,923	444	15,720	249	1.71
107	9,287	645	33,135	342	1.58
108	10,075	541	23,305	356	1.35
109	14,139	680	36,767	422	1.30
110	46	37	108	24	1.19

Most Compact: 4.1 For District: 17

Least Compact: 0.47 For District: 29

Compactness measure: Convex Hull

District	District Area (SQM)	Perimeter (Miles)	Area of Circle with Same Perimeter	Perimeter of Circle with Same Area	Compactness Value
1	25	34	94	18	0.71
2	16	28	61	14	0.72
3	14	24	46	13	0.77
4	57	48	184	27	0.76
5	27	41	136	18	0.54
6	16	28	62	14	0.71
7	23	34	91	17	0.66
8	22	47	177	16	0.40
9	39	36	103	22	0.72
10	30	43	147	19	0.60
11	15	28	62	14	0.65
12	20	24	44	16	0.87
13	18	23	41	15	0.81
14	25	33	86	18	0.73
15	17	29	67	14	0.64
16	21	45	158	16	0.46
17	24	28	61	17	0.91
18	18	27	58	15	0.74
19	28	39	120	19	0.61
20	34	36	103	21	0.74
21	16	35	96	14	0.58
22	49	40	128	25	0.77
23	26	28	63	18	0.84
24	50	36	104	25	0.84
25	23	29	67	17	0.86
26	43	49	190	23	0.73
27	78	57	255	31	0.79
28	27	32	81	18	0.76
29	72	62	304	30	0.69
30	59	52	214	27	0.73
31	995	226	4,050	112	0.82
32	35	29	69	21	0.91

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33	142	74	433	42	0.76
34	115	63	317	38	0.75
35	49	42	142	25	0.78
36	104	71	398	36	0.64
37	42	30	72	23	0.92
38	37	43	145	22	0.66
39	81	48	180	32	0.85
40	112	78	478	38	0.64
41	229	96	739	54	0.71
42	25	28	61	18	0.77
43	30	25	51	19	0.91
44	48	42	139	25	0.78
45	153	55	240	44	0.92
46	209	83	545	51	0.81
47	808	141	1,581	101	0.81
48	296	86	590	61	0.88
49	4,118	305	7,422	227	0.91
50	761	139	1,533	98	0.83
51	125	58	263	40	0.86
52	441	111	982	74	0.79
53	88	103	841	33	0.55
54	405	105	885	71	0.83
55	225	98	771	53	0.72
56	1,086	222	3,925	117	0.74
57	973	198	3,132	111	0.76
58	643	139	1,543	90	0.78
59	3,790	344	9,399	218	0.80
60	171	77	477	46	0.74
61	335	106	886	65	0.82
62	647	124	1,215	90	0.89
63	1,174	161	2,055	121	0.91
64	899	133	1,397	106	0.99
65	390	115	1,046	70	0.76
66	629	119	1,126	89	0.92
67	75	38	116	31	0.97
68	51	46	172	25	0.72
69	50	35	96	25	0.87
70	124	56	247	39	0.86
71	929	228	4,143	108	0.70
72	626	164	2,145	89	0.73
73	35	37	107	21	0.82
74	255	100	795	57	0.68
75	44	31	78	23	0.90
76	40	34	90	23	0.79
77	120	62	303	39	0.74

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78	18	29	68	15	0.71
79	42	36	103	23	0.83
80	101	58	264	36	0.84
81	576	138	1,511	85	0.82
82	66	44	157	29	0.87
83	2,200	206	3,362	166	0.93
84	106	53	222	37	0.82
85	417	108	928	72	0.78
86	34	40	129	21	0.66
87	2,756	252	5,048	186	0.90
88	647	175	2,434	90	0.62
89	78	43	146	31	0.93
90	50	32	84	25	0.96
91	56	44	155	27	0.76
92	599	138	1,523	87	0.82
93	689	151	1,823	93	0.83
94	1,719	191	2,917	147	0.86
95	720	122	1,181	95	0.88
96	260	91	666	57	0.72
97	898	145	1,680	106	0.83
98	283	88	615	60	0.81
99	868	132	1,397	104	0.92
100	1,941	251	4,996	156	0.73
101	3,409	289	6,646	207	0.87
102	2,436	362	10,413	175	0.56
103	2,883	250	4,975	190	0.87
104	2,921	300	7,146	192	0.74
105	7,780	397	12,550	313	0.93
106	4,923	444	15,720	249	0.68
107	9,287	645	33,135	342	0.67
108	10,075	541	23,305	356	0.79
109	14,139	680	36,767	422	0.78
110	46	37	108	24	0.80

Most Compact: 0.99 For District: 64

Least Compact: 0.4 For District: 8