Autobound EDGE - Compactness Report

Plan Name: State House:10-10-21 v1 HD RAS

For more information on compactness calculations Click Here

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	56	48	185	27	0.31
5	27	41	136	18	0.20
6	16	28	63	14	0.25
7	23	34	91	17	0.26
8	22	45	163	16	0.13
9	38	37	109	22	0.35
10	29	42	140	19	0.21
11	16	31	75	14	0.21
12	20	23	43	16	0.47
13	18	23	41	15	0.43
14	25	31	78	18	0.32
15	17	29	67	14	0.25
16	21	46	167	16	0.12
17	23	27	58	17	0.40
18	18	27	58	15	0.32
19	28	40	127	19	0.22
20	34	36	103	21	0.33
21	17	35	98	15	0.17
22	49	40	128	25	0.38
23	26	28	63	18	0.42
24	50	36	105	25	0.48
25	23	27	56	17	0.41
26	43	47	175	23	0.24
27	80	56	254	32	0.32
28	27	30	73	18	0.37
29	71	62	306	30	0.23
30	105	53	227	36	0.47
31	1,000	222	3,921	112	0.26
32	35	30	71	21	0.49
33	141	73	428	42	0.33
34	115	63	317	38	0.36
35	41	35	98	23	0.42
36	123	67	353	39	0.35
37	42	30	72	23	0.58
38	37	43	145	22	0.26
39	81	48	186	32	0.44
40	112	78	478	38	0.23
41	229	96	739	54	0.31
42	25	28	61	18	0.41

Autobound EDGE - Compactness Report

Plan Name: State House:10-10-21 v1 HD RAS

For more information on compactness calculations Click Here

43	30	25	51	19	0.58
44	48	42	139	25	0.34
45	153	55	240	44	0.64
46	208	85	576	51	0.36
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	111	64	325	37	0.34
52	455	129	1,326	76	0.34
53	83	99	783	32	0.11
54	405	105	885	71	0.46
55	226	101	805	53	0.28
56	1,037	241	4,606	114	0.23
57	973	198	3,132	111	0.31
58	643	139	1,543	90	0.42
59	3,825	356	10,073	219	0.38
60	171	77	477	46	0.36
61	335	106	886	65	0.38
62	692	128	1,314	93	0.53
63	1,129	152	1,843	119	0.61
64	899	133	1,397	106	0.64
65	393	112	1,007	70	0.39
66	338	132	1,393	65	0.24
67	44	31	75	24	0.59
68	151	66	346	44	0.44
69	219	94	707	52	0.31
70	163	88	615	45	0.26
71	894	228	4,143	106	0.22
72	662	176	2,468	91	0.27
73	35	35	97	21	0.36
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	57	257	36	0.39
81	480	117	1,093	78	0.44
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	1,337	181	2,606	130	0.51

Autobound EDGE - Compactness Report

Plan Name: State House:10-10-21 v1 HD RAS

For more information on compactness calculations Click Here

88	2,162	242	4,649	165	0.46
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	1,683	192	2,924	145	0.58
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	47	37	111	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	56	48	185	27	0.55
5	27	41	136	18	0.45
6	16	28	63	14	0.50
7	23	34	91	17	0.51
8	22	45	163	16	0.36
9	38	37	109	22	0.59
10	29	42	140	19	0.46
11	16	31	75	14	0.46
12	20	23	43	16	0.68
13	18	23	41	15	0.66
14	25	31	78	18	0.56
15	17	29	67	14	0.50
16	21	46	167	16	0.35
17	23	27	58	17	0.63

Autobound EDGE - Compactness Report

Plan Name: State House:10-10-21 v1 HD RAS

For more information on compactness calculations Click Here

18	18	27	58	15	0.56
19	28	40	127	19	0.47
20	34	36	103	21	0.57
21	17	35	98	15	0.41
22	49	40	128	25	0.62
23	26	28	63	18	0.64
24	50	36	105	25	0.69
25	23	27	56	17	0.64
26	43	47	175	23	0.49
27	80	56	254	32	0.56
28	27	30	73	18	0.61
29	71	62	306	30	0.48
30	105	53	227	36	0.68
31	1,000	222	3,921	112	0.51
32	35	30	71	21	0.70
33	141	73	428	42	0.57
34	115	63	317	38	0.60
35	41	35	98	23	0.65
36	123	67	353	39	0.59
37	42	30	72	23	0.76
38	37	43	145	22	0.51
39	81	48	186	32	0.66
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	208	85	576	51	0.60
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	111	64	325	37	0.58
52	455	129	1,326	76	0.59
53	83	99	783	32	0.33
54	405	105	885	71	0.68
55	226	101	805	53	0.53
56	1,037	241	4,606	114	0.47
57	973	198	3,132	111	0.56
58	643	139	1,543	90	0.65
59	3,825	356	10,073	219	0.62
60	171	77	477	46	0.60
61	335	106	886	65	0.62
62	692	128	1,314	93	0.73

Autobound EDGE - Compactness Report

Plan Name: State House:10-10-21 v1 HD RAS

For more information on compactness calculations Click Here

63	1,129	152	1,843	119	0.78
64	899	133	1,397	106	0.80
65	393	112	1,007	70	0.62
66	338	132	1,393	65	0.49
67	44	31	75	24	0.77
68	151	66	346	44	0.66
69	219	94	707	52	0.56
70	163	88	615	45	0.51
71	894	228	4,143	106	0.46
72	662	176	2,468	91	0.52
73	35	35	97	21	0.60
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	57	257	36	0.63
81	480	117	1,093	78	0.66
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	1,337	181	2,606	130	0.72
88	2,162	242	4,649	165	0.68
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	1,683	192	2,924	145	0.76
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

Autobound EDGE - Compactness Report

Plan Name: State House:10-10-21 v1 HD RAS

For more information on compactness calculations Click Here

108	10,075	541	23,305	356	0.66
109	14,139	680	36,767	422	0.62
110	47	37	111	24	0.65

Most Compact: 0.81 For District: 83

Least Compact: 0.33 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	56	48	185	27	0.20
5	27	41	136	18	0.23
6	16	28	63	14	0.25
7	23	34	91	17	0.36
8	22	45	163	16	0.19
9	38	37	109	22	0.41
10	29	42	140	19	0.22
11	16	31	75	14	0.19
12	20	23	43	16	0.42
13	18	23	41	15	0.45
14	25	31	78	18	0.38
15	17	29	67	14	0.30
16	21	46	167	16	0.14
17	23	27	58	17	0.28
18	18	27	58	15	0.38
19	28	40	127	19	0.24
20	34	36	103	21	0.37
21	17	35	98	15	0.18
22	49	40	128	25	0.33
23	26	28	63	18	0.38
24	50	36	105	25	0.48
25	23	27	56	17	0.52
26	43	47	175	23	0.54
27	80	56	254	32	0.53
28	27	30	73	18	0.57
29	71	62	306	30	0.26
30	105	53	227	36	0.48
31	1,000	222	3,921	112	0.48
32	35	30	71	21	0.60
33	141	73	428	42	0.41
34	115	63	317	38	0.42
35	41	35	98	23	0.47
36	123	67	353	39	0.30
37	42	30	72	23	0.50

Autobound EDGE - Compactness Report

Plan Name: State House:10-10-21 v1 HD RAS

For more information on compactness calculations Click Here

38	37	43	145	22	0.33
39	81	48	186	32	0.69
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	208	85	576	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	111	64	325	37	0.39
52	455	129	1,326	76	0.40
53	83	99	783	32	0.17
54	405	105	885	71	0.57
55	226	101	805	53	0.51
56	1,037	241	4,606	114	0.36
57	973	198	3,132	111	0.51
58	643	139	1,543	90	0.45
59	3,825	356	10,073	219	0.29
60	171	77	477	46	0.36
61	335	106	886	65	0.39
62	692	128	1,314	93	0.57
63	1,129	152	1,843	119	0.49
64	899	133	1,397	106	0.51
65	393	112	1,007	70	0.45
66	338	132	1,393	65	0.28
67	44	31	75	24	0.49
68	151	66	346	44	0.40
69	219	94	707	52	0.27
70	163	88	615	45	0.31
71	894	228	4,143	106	0.36
72	662	176	2,468	91	0.29
73	35	35	97	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	57	257	36	0.52
81	480	117	1,093	78	0.34
82	66	44	157	29	0.63

Autobound EDGE - Compactness Report

Plan Name: State House:10-10-21 v1 HD RAS

For more information on compactness calculations Click Here

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	1,337	181	2,606	130	0.37
88	2,162	242	4,649	165	0.41
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	1,683	192	2,924	145	0.60
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	47	37	111	24	0.41

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	56	48	185	27	2.08
5	27	41	136	18	2.32
6	16	28	63	14	0.82
7	23	34	91	17	1.76
8	22	45	163	16	0.64
9	38	37	109	22	1.93
10	29	42	140	19	0.70
11	16	31	75	14	0.74
12	20	23	43	16	0.63

Autobound EDGE - Compactness Report

Plan Name: State House:10-10-21 v1 HD RAS

For more information on compactness calculations Click Here

13	18	23	41	15	0.75
14	25	31	78	18	1.67
15	17	29	67	14	1.08
16	21	46	167	16	0.56
17	23	27	58	17	4.09
18	18	27	58	15	0.69
19	28	40	127	19	2.20
20	34	36	103	21	1.03
21	17	35	98	15	0.51
22	49	40	128	25	0.60
23	26	28	63	18	1.09
24	50	36	105	25	2.15
25	23	27	56	17	1.52
26	43	47	175	23	1.35
27	80	56	254	32	1.92
28	27	30	73	18	1.34
29	71	62	306	30	0.47
30	105	53	227	36	1.83
31	1,000	222	3,921	112	2.02
32	35	30	71	21	1.52
33	141	73	428	42	0.90
34	115	63	317	38	1.14
35	41	35	98	23	2.17
36	123	67	353	39	0.72
37	42	30	72	23	0.96
38	37	43	145	22	1.93
39	81	48	186	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	208	85	576	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	111	64	325	37	0.97
52	455	129	1,326	76	1.63
53	83	99	783	32	3.38
54	405	105	885	71	1.34
55	226	101	805	53	1.49
56	1,037	241	4,606	114	2.04
57	973	198	3,132	111	1.02

Autobound EDGE - Compactness Report

Plan Name: State House:10-10-21 v1 HD RAS

For more information on compactness calculations Click Here

58	643	139	1,543	90	1.04
59	3,825	356	10,073	219	3.71
60	171	77	477	46	0.76
61	335	106	886	65	2.81
62	692	128	1,314	93	1.61
63	1,129	152	1,843	119	2.57
64	899	133	1,397	106	2.61
65	393	112	1,007	70	1.53
66	338	132	1,393	65	2.71
67	44	31	75	24	1.53
68	151	66	346	44	1.79
69	219	94	707	52	3.36
70	163	88	615	45	3.13
71	894	228	4,143	106	2.35
72	662	176	2,468	91	2.67
73	35	35	97	21	1.02
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	57	257	36	1.36
81	480	117	1,093	78	2.38
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	1,337	181	2,606	130	2.51
88	2,162	242	4,649	165	1.89
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	1,683	192	2,924	145	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

Autobound EDGE - Compactness Report

Plan Name: State House:10-10-21 v1 HD RAS

For more information on compactness calculations Click Here

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	47	37	111	24	1.19

Most Compact: 4.09 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	56	48	185	27	0.76
5	27	41	136	18	0.54
6	16	28	63	14	0.71
7	23	34	91	17	0.66
8	22	45	163	16	0.44
9	38	37	109	22	0.71
10	29	42	140	19	0.63
11	16	31	75	14	0.64
12	20	23	43	16	0.87
13	18	23	41	15	0.81
14	25	31	78	18	0.72
15	17	29	67	14	0.64
16	21	46	167	16	0.46
17	23	27	58	17	0.90
18	18	27	58	15	0.76
19	28	40	127	19	0.60
20	34	36	103	21	0.74
21	17	35	98	15	0.57
22	49	40	128	25	0.77
23	26	28	63	18	0.84
24	50	36	105	25	0.85
25	23	27	56	17	0.83
26	43	47	175	23	0.74
27	80	56	254	32	0.79
28	27	30	73	18	0.82
29	71	62	306	30	0.69
30	105	53	227	36	0.77
31	1,000	222	3,921	112	0.82
32	35	30	71	21	0.88

Autobound EDGE - Compactness Report

Plan Name: State House:10-10-21 v1 HD RAS

For more information on compactness calculations Click Here

33	141	73	428	42	0.76
34	115	63	317	38	0.75
35	41	35	98	23	0.82
36	123	67	353	39	0.72
37	42	30	72	23	0.92
38	37	43	145	22	0.67
39	81	48	186	32	0.84
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	208	85	576	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	111	64	325	37	0.76
52	455	129	1,326	76	0.74
53	83	99	783	32	0.51
54	405	105	885	71	0.83
55	226	101	805	53	0.72
56	1,037	241	4,606	114	0.66
57	973	198	3,132	111	0.76
58	643	139	1,543	90	0.78
59	3,825	356	10,073	219	0.78
60	171	77	477	46	0.74
61	335	106	886	65	0.82
62	692	128	1,314	93	0.92
63	1,129	152	1,843	119	0.93
64	899	133	1,397	106	0.99
65	393	112	1,007	70	0.77
66	338	132	1,393	65	0.70
67	44	31	75	24	0.91
68	151	66	346	44	0.83
69	219	94	707	52	0.71
70	163	88	615	45	0.73
71	894	228	4,143	106	0.69
72	662	176	2,468	91	0.70
73	35	35	97	21	0.85
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

Autobound EDGE - Compactness Report

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78	18	29	68	15	0.71
79	42	36	103	23	0.83
80	101	57	257	36	0.84
81	480	117	1,093	78	0.84
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	1,337	181	2,606	130	0.89
88	2,162	242	4,649	165	0.80
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	1,683	192	2,924	145	0.85
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	47	37	111	24	0.80

Most Compact: 0.99 For District: 64

Least Compact: 0.44 For District: 8