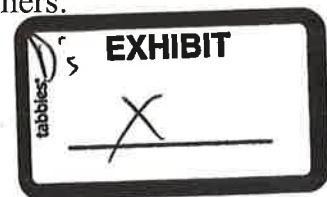


**TABLE 20**  
**REOCK COMPACTNESS SCORES, CHALLENGED STATE PLAN DISTRICTS**  
**VERSUS MINIMUM GOVERNOR'S PLAN DISTRICTS**  
**(Higher Scores Indicate Greater Compactness)**

COUNT	CHALLENGED DISTRICT	REOCK SCORE	GOVERNOR'S PLAN MINIMUM REOCK SCORE	DIFFERENCE WITH GOVERNOR'S PLAN
1	12	.14	.17	-.03
2	12A	.25	.17	+.08
3	12B	.23	.17	+.06
4	21	.29	.17	+.12
5	31	.41	.17	+.24
6	33	.34	.17	+.17
7	33A	.39	.17	+.22
8	33C	.28	.17	+.11
9	27	.46	.17	+.29
10	7	.24	.17	+.07
11	7A	.36	.17	+.19
12	7B	.19	.17	+.02
13	42	.46	.17	+.29
14	42B	.23	.17	+.06
15	42C	.36	.17	+.19
16	9	.26	.17	+.09
17	22	.45	.17	+.28
18	23	.23	.17	+.06
19	24	.22	.17	+.05
20	25	.45	.17	+.28
21	47	.27	.17	+.10

Minimum Governor's plan scores from Nathan Persily, Power Point Presentation, Provided by Counsel. IN THE MATTER OF 2022 LEGISLATIVE DISTRICTING OF THE STATE PETITIONERS: MISC. NO. 25, MARK N. FISHER, NICHOLAUS R. KIPKE, KATHRYN SZELIGA, In the Court of Appeals of Maryland, September Term, 2021. Our data compiler Tony Fairfax calculated the state house scores.<sup>1</sup>

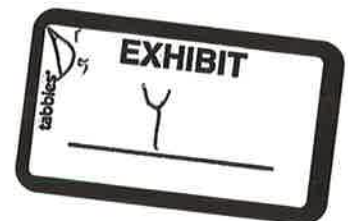
<sup>1</sup> Where there are districts and scores in common out calculations are either identical to or inconsequentially different from the scores provided by petitioners.



**TABLE 21**  
**POLSBY-POPPER COMPACTNESS SCORES, CHALLENGED STATE PLAN**  
**DISTRICTS VERSUS MINIMUM GOVERNOR'S PLAN DISTRICTS**  
**(Higher Scores Indicate Greater Compactness)**

COUNT	CHALLENGED DISTRICT	POLSBY-POPPER SCORE	GOVERNOR'S PLAN MINIMUM POLSBY-POPPER SCORE	DIFFERENCE WITH GOVERNOR'S PLAN
1	12	.11	.12	-.01
2	12A	.22	.06	+.16
3	12B	.16	.06	+.10
4	21	.13	.12	+.01
5	31	.26	.12	+.14
6	33	.14	.12	+.02
7	33A	.25	.12	+.13
8	33C	.29	.12	+.17
9	27	.29	.12	+.17
10	7	.19	.12	+.07
11	7A	.25	.06	+.19
12	7B	.20	.06	+.14
13	42	.18	.12	+.06
14	42B	.13	.06	+.07
15	42C	.18	.06	+.12
16	9	.23	.12	+.11
17	22	.12	.12	0.0
18	23	.13	.12	+.01
19	24	.08	.12	-.04
20	25	.18	.12	+.06
21	47	.13	.12	+.01

Minimum Governor's plan scores from Nathan Persily, Power Point Presentation, Provided by Counsel. IN THE MATTER OF 2022 LEGISLATIVE DISTRICTING OF THE STATE PETITIONERS: MISC. NO. 25, MARK N. FISHER, NICHOLAUS R. KIPKE, KATHRYN SZELIGA, In the Court of Appeals of Maryland, September Term, 2021. Our data compiler Tony Fairfax calculated the state house scores.



**TABLE 22**  
**SUMMARY TABLE, COMPACTNESS SCORES, CHALLENGED STATE PLAN**  
**DISTRICTS VERSUS MINIMUM GOVERNOR'S PLAN DISTRICTS**  
**(Higher Scores Indicate Greater Compactness)**

MEASURE	TOTAL SCORES	STATE PLAN HIGHER	GOVERNOR PLAN HIGHER	PLANS EVEN
REOCK	21	20 95.2%	1 4.8%	0 0%
POLSBY- POPPER	21	18 85.6%	2 9.5%	1 4.8%



**GRAPH 6**  
**RELATIONSHIP BETWEEN THE STATE COOK PVI SCORE AND THE**  
**PERCENTAGE OF STATE HOUSE SEATS HELD BY THE LEAD PARTY. MULTI-**  
**MEMBER STATES ONLY**

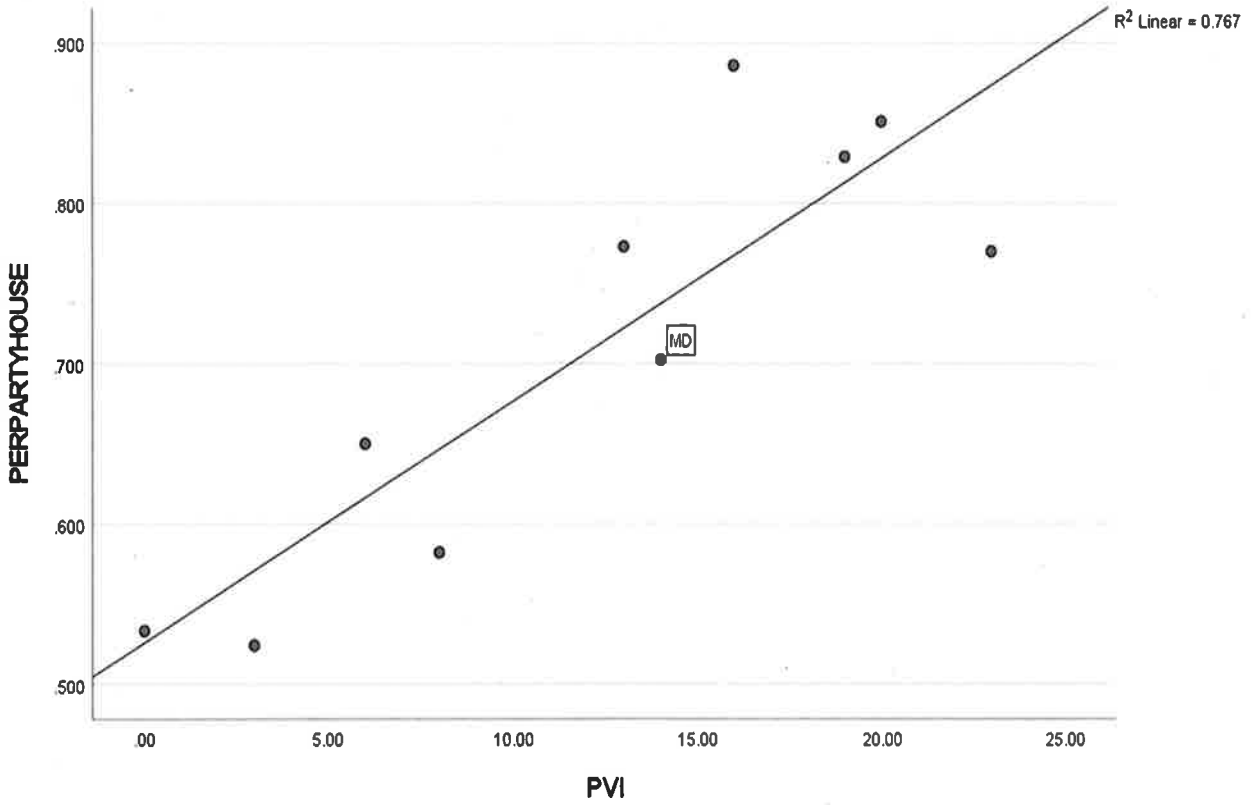


EXHIBIT  
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State	Polsby	Polsby Rank	Reock	Reock Rank	Schwartzberg	Schwartzberg Rank	Convex Hull	Convex Hull Rank
Wyoming	0.77	1	0.55	6	0.88	1	1.00	2
Colorado	0.77	2	0.55	7	0.88	2	1.00	1
Utah	0.71	3	0.59	2	0.84	3	0.96	7
New Mexico	0.69	4	0.57	5	0.83	4	0.95	8
Kansas	0.66	5	0.44	24	0.81	5	0.99	3
Arizona	0.65	6	0.64	1	0.80	6	0.96	6
Connecticut	0.64	7	0.43	25	0.80	7	0.94	9
Nevada	0.64	8	0.48	17	0.80	8	0.98	5
Washington	0.59	9	0.41	31	0.77	9	0.92	17
Oregon	0.58	10	0.48	18	0.76	10	0.89	21
South Dakota	0.56	11	0.41	30	0.75	11	0.93	13
Ohio	0.56	12	0.55	8	0.75	12	0.92	15
Pennsylvania	0.56	13	0.42	28	0.75	13	0.89	22
Alabama	0.53	14	0.54	9	0.73	14	0.90	19
Nebraska	0.53	15	0.32	39	0.73	15	0.94	10
Iowa	0.52	16	0.46	21	0.72	16	0.93	14
North Dakota	0.52	17	0.43	26	0.72	17	0.99	4
District of Columbia	0.49	18	0.50	15	0.70	18	0.85	27
Montana	0.48	19	0.36	37	0.69	19	0.93	11
Wisconsin	0.46	20	0.53	11	0.68	20	0.83	32
Delaware	0.46	21	0.37	36	0.68	21	0.84	28
Michigan	0.44	22	0.46	20	0.66	22	0.80	36
South Carolina	0.43	23	0.42	27	0.66	23	0.89	20
Georgia	0.43	24	0.52	14	0.65	24	0.91	18
Indiana	0.41	25	0.48	19	0.64	25	0.88	23
New Jersey	0.41	26	0.45	23	0.64	26	0.83	29
Missouri	0.40	27	0.40	32	0.63	27	0.83	31
Rhode Island	0.39	28	0.57	4	0.63	28	0.79	37
Illinois	0.39	29	0.53	10	0.63	29	0.87	24
North Carolina	0.37	30	0.22	46	0.61	30	0.78	39
Vermont	0.37	31	0.42	29	0.61	31	0.82	33
Arkansas	0.36	32	0.58	3	0.60	32	0.93	12
Maine	0.36	33	0.53	12	0.60	33	0.86	25
New York	0.32	34	0.30	41	0.56	34	0.65	47
New Hampshire	0.32	35	0.40	33	0.56	35	0.82	35
Oklahoma	0.31	36	0.27	43	0.56	36	0.83	30
Idaho	0.31	37	0.37	35	0.56	37	0.78	38
Tennessee	0.30	38	0.18	49	0.55	38	0.92	16
California	0.30	39	0.30	40	0.55	39	0.77	41
Minnesota	0.30	40	0.46	22	0.54	40	0.74	43
Massachusetts	0.29	41	0.27	42	0.53	41	0.69	45
Kentucky	0.28	42	0.23	45	0.53	42	0.82	34
Mississippi	0.27	43	0.53	13	0.52	43	0.86	26
Texas	0.26	44	0.49	16	0.51	44	0.73	44
Virginia	0.26	45	0.19	48	0.51	45	0.77	42



State	Polsby	Polsby Rank	Reock	Reock Rank	Schwartzberg	Schwartzberg Rank	Convex Hull	Convex Hull Rank
Louisiana	0.25	46	0.39	34	0.50	46	0.77	40
Florida	0.22	47	0.25	44	0.47	47	0.52	49
Maryland	0.20	48	0.19	47	0.45	48	0.61	48
West Virginia	0.19	49	0.32	38	0.44	49	0.68	46
Hawaii	0.07	50	0.01	51	0.26	50	0.07	50
Alaska	0.07	51	0.01	50	0.26	51	<Null>	NA