

Colorado Independent Redistricting Commissions Staff

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MEMORANDUM

October 14, 2021

TO: Independent Legislative Redistricting Commission

FROM: Colorado Independent Redistricting Commissions Staff

SUBJECT: Report pursuant to Article V, Section 48.1 (3)(c)

Article V, Section 48.1 (3)(c) of the Colorado Constitution provides:

Section 48.1. Criteria for determinations of congressional districts - definition.

(3)(c) When the commission approves a plan, or when nonpartisan staff submits a plan in the absence of the commission's approval of a plan as provided in section 48.2 of this article V, the nonpartisan staff shall, within seventy-two hours of such action, make publicly available, and include in the commission's record, a report to demonstrate how the plan reflects the evidence presented to, and the findings concerning, the extent to which competitiveness in district elections is fostered consistent with the other criteria set forth in this section.

The Colorado Independent Redistricting Commissions Staff submits the following report pursuant to that provision.

Evidence of Competitiveness

Pursuant to Article V, Section 48.1 (3)(b) of the Colorado Constitution, at its public hearings throughout the state, the Colorado Independent Legislative Commission (the "Commission") solicited evidence relevant to the competitiveness of elections in Colorado. Many persons testifying at these hearings only encouraged the Commission to create competitive districts. Many indicated that the Commission should use multiple races over multiple elections. Others testified as to alternative methods of measuring competitiveness or suggested modifications to the Commission's chosen approach. Many of the people who made these suggestions appeared to be favoring one party or another.

The Commission requested that Dr. Bob Loevy, Professor Emeritus of Political Science at Colorado College and a member of the Colorado Reapportionment Commission in 2011, speak to the Commission on measuring competitiveness. Dr. Loevy testified that for the 2011 Colorado Reapportionment Commission, if the difference between the percentage of votes cast for the Democratic and Republican candidates in that race was less than 10% in a district, the district

was considered competitive. Dr. Loevy also testified that, even though Colorado has a large number of voters who are not registered with any political party, the difference between the number of persons registered with the Democratic or Republican Party is a good source of information on the competitiveness of a district.

The Mapping and Quantitative Subcommittee of the Commission ("Mapping Subcommittee") spent considerable time during thirteen of its meetings discussing competitiveness. It heard from Ben Schler, from Reasonable Districts Colorado, and Bradley Wascher, a data vendor at Inside Elections. Mr. Wascher said that it is more valuable to measure a district's partisan performance through the use of election results rather than voter registration. He recommended using a number of elections to measure partisan performance. Members of the Mapping Subcommittee were worried about adjusting and weighing election results, noting that this might enable the analysis to be manipulated.

The Mapping Subcommittee also received a presentation from Dwayne Liller. Mr. Liller provided an analysis of various statewide elections in which the majority of the voters in a precinct switched between voting for a Democratic or Republican candidate, believing that those precincts could be used to create a competitive district. Mr. Liller's analysis is available on the Commission's website and through the following link:

<https://coleg.app.box.com/s/qjrs5olyxqtskvhudnzoak4d3q0y32i/file/845364225276>

Finally, the Mapping Subcommittee heard from Dr. Jeanne Clelland from the University of Colorado Boulder and Dr. Beth Malmskog from Colorado College on an ensemble analysis, whereby a computer creates thousands of plans in order to identify whether a plan falls within an expected range or whether the plan is outside of that expected range.¹ The ensemble reports on the final plans being considered by the Commission are available through the following link:

<https://coleg.app.box.com/s/qjrs5olyxqtskvhudnzoak4d3q0y32i/file/870792602643>

Ultimately, the Mapping Subcommittee recommended Policy #6: Direction to Staff on Maximizing Competitiveness, attached as Appendix A to this report. Under that policy, nonpartisan staff was directed to use eight statewide races from the 2018 and 2020 General Elections to measure the competitiveness of proposed legislative districts and to average the difference between the percentage of votes cast for the Republican candidate and the Democratic candidate for those races. The Mapping Subcommittee recommended that the Commission use election results rather than party registration for analyzing competitiveness, arguing that such results more accurately reflect how voters actually perform. The Mapping Subcommittee recommended that nonpartisan staff be directed to maximize the number of districts that have a maximum differential of 8.5% between the Democratic and Republican candidates and to maximize the number of districts that have the lowest differential.

The Commission ultimately approved the Mapping Subcommittee's recommendation at its meeting on August 27, 2021, and directed nonpartisan staff to use the average of the eight identified races when creating legislative plans.

All of the plans for legislative redistricting presented to the Commission for its consideration included two reports relating to competitiveness: one showing the election results in each district for the eight elections and an average over all eight; and one showing the number and

¹ The Commission considered the ensemble analysis not only when looking at competitiveness, but also racial and language minority representation.

percentage of persons registered with the Democratic or Republican Party for each proposed congressional district.

Competitiveness of Approved Legislative Redistricting Plans

The Commission considered the competitiveness of each plan that was submitted. However, under the priority of criteria established in Article V, Section 48.1, competitiveness is the last item the Commission is to consider. While the Commission considered other plans that may have had more districts with lower differentials between the Democratic and Republican candidates, the Commission believed that the Final Approved House Redistricting Plan and the Final Approved Senate Redistricting Plan did a better job of preserving whole communities of interest and political subdivisions, which have higher priority than competitiveness.

The Statewide Election Result by District Report for the Final Approved House Redistricting Plan is attached to this report as Appendix B and shows that there are 16 districts that have a differential of 8.5% or less. Also, the Active Registered Voters Report for the Final Approved House Redistricting Plan is provided as Appendix C.

Similarly, the Statewide Election Result by District Report for the Final Approved Senate Redistricting Plan is attached to this report as Appendix D and shows that there are 11 districts that have a differential of 8.5% or less. Also, the Active Registered Voters Report for the Final Approved Senate Redistricting Plan is provided as Appendix E.



APPENDIX B
Statewide Election Results by District
Plan: 2021 Final Approved House Plan

District	8 Elections Differential	2016 Senate Differential	2016 President Differential	2018 Attorney General Differential	2018 Governor Differential	2018 Treasurer Differential	2018 Secretary of State Differential	2018 CU Regent at Large Differential	2020 Senate Differential
1	-34.6%	-32.4%	-32.2%	-32.7%	-35.8%	-35.3%	-35.2%	-36.8%	-36.2%
2	-48.5%	-46.1%	-53.5%	-48.2%	-51.1%	-44.3%	-43.8%	-49.4%	-51.7%
3	-28.7%	-25.6%	-27.4%	-27.4%	-31.3%	-27.4%	-28.2%	-30.2%	-32.7%
4	-63.3%	-60.4%	-65.8%	-63.3%	-66.0%	-60.9%	-61.6%	-65.7%	-62.8%
5	-63.7%	-59.6%	-65.4%	-64.9%	-66.9%	-60.8%	-62.0%	-66.6%	-63.5%
6	-66.9%	-64.0%	-68.6%	-66.5%	-69.9%	-64.4%	-64.2%	-69.0%	-68.5%
7	-64.5%	-61.4%	-66.7%	-63.3%	-65.8%	-64.3%	-65.2%	-67.1%	-62.4%
8	-74.4%	-71.4%	-78.6%	-73.9%	-76.7%	-72.0%	-71.3%	-76.5%	-75.1%
9	-47.3%	-44.2%	-47.8%	-45.8%	-50.1%	-46.0%	-46.1%	-48.9%	-49.6%
10	-74.2%	-71.6%	-76.4%	-76.7%	-78.7%	-65.9%	-73.1%	-76.3%	-74.6%
11	-29.9%	-24.3%	-26.9%	-29.9%	-33.7%	-26.8%	-31.1%	-31.4%	-35.3%
12	-49.2%	-44.6%	-51.6%	-49.8%	-53.8%	-43.1%	-47.1%	-50.6%	-53.4%
13	-5.4%	-3.8%	-0.6%	-4.9%	-9.1%	-4.6%	-6.5%	-6.0%	-7.7%
14	30.6%	33.5%	31.1%	31.6%	27.4%	31.4%	34.8%	30.7%	24.4%
15	25.5%	31.4%	32.5%	26.0%	21.8%	24.5%	24.1%	23.0%	20.6%
16	3.1%	6.2%	8.4%	2.5%	-1.2%	2.1%	7.6%	1.3%	-1.7%
17	-12.8%	-7.6%	-4.2%	-13.7%	-16.7%	-14.7%	-13.9%	-16.3%	-15.3%
18	-0.3%	1.2%	2.1%	-0.7%	-4.7%	-0.9%	5.6%	-1.3%	-3.9%
19	1.5%	4.9%	3.8%	2.3%	-1.9%	2.4%	0.9%	0.7%	-1.0%
20	47.5%	49.6%	50.3%	48.8%	45.0%	47.5%	48.0%	47.7%	43.1%
21	16.7%	20.2%	25.5%	17.2%	12.7%	14.9%	13.9%	15.5%	15.5%
22	27.0%	30.8%	32.1%	28.3%	23.4%	26.6%	28.4%	26.3%	20.3%
23	-21.7%	-18.7%	-17.6%	-19.2%	-24.8%	-21.8%	-22.1%	-24.0%	-25.3%
24	-7.4%	-4.5%	-2.5%	-4.5%	-10.6%	-7.5%	-8.2%	-9.0%	-12.5%
25	1.8%	3.5%	2.7%	4.4%	-1.4%	3.0%	2.4%	1.6%	-2.0%
26	-2.7%	-1.0%	2.0%	-3.9%	-6.4%	-0.6%	-2.7%	-3.6%	-5.3%
27	-12.0%	-9.6%	-10.3%	-9.8%	-15.2%	-11.2%	-11.0%	-13.4%	-15.8%
28	-2.3%	-0.1%	-0.4%	1.0%	-5.5%	-2.0%	-2.5%	-3.7%	-5.4%
29	-13.1%	-10.9%	-10.0%	-10.7%	-16.7%	-12.8%	-13.4%	-14.1%	-16.3%
30	-27.6%	-25.2%	-24.3%	-25.0%	-30.2%	-27.7%	-27.6%	-29.8%	-30.6%
31	-19.6%	-17.8%	-14.4%	-17.2%	-21.5%	-21.8%	-22.4%	-21.9%	-19.5%
32	-18.5%	-17.6%	-14.6%	-15.8%	-18.6%	-20.0%	-21.2%	-21.5%	-18.4%
33	-13.6%	-9.0%	-11.5%	-12.0%	-17.8%	-12.9%	-14.0%	-15.0%	-16.4%
34	-8.2%	-6.0%	-3.2%	-5.8%	-10.5%	-10.0%	-10.7%	-10.6%	-8.6%
35	-34.3%	-31.9%	-28.9%	-32.7%	-35.9%	-36.3%	-36.6%	-37.1%	-34.9%
36	-29.6%	-25.4%	-26.3%	-27.1%	-31.4%	-30.7%	-31.2%	-32.9%	-31.5%
37	-7.0%	-4.5%	-9.0%	-4.0%	-9.7%	-4.3%	-4.5%	-7.1%	-13.2%
38	-2.9%	-1.4%	-2.3%	0.9%	-5.7%	-1.7%	-1.9%	-3.4%	-8.0%
39	23.1%	24.7%	22.8%	26.8%	21.1%	25.2%	23.5%	23.3%	17.5%
40	-18.5%	-14.6%	-14.9%	-15.6%	-20.9%	-19.1%	-19.9%	-21.8%	-20.9%
41	-30.6%	-28.7%	-28.4%	-27.2%	-32.3%	-31.2%	-30.8%	-33.0%	-33.4%
42	-45.8%	-42.9%	-44.8%	-43.3%	-47.3%	-46.2%	-46.1%	-48.4%	-47.7%
43	7.4%	10.4%	7.0%	12.3%	4.3%	9.0%	7.6%	7.2%	1.3%
44	19.3%	22.3%	21.7%	22.9%	16.4%	19.7%	18.1%	18.2%	14.9%
45	27.0%	29.4%	29.5%	30.0%	24.3%	27.3%	25.1%	26.4%	23.9%
46	-7.1%	-12.6%	-1.4%	-5.0%	-8.5%	-6.9%	-11.4%	-7.1%	-3.8%
47	24.6%	16.3%	33.4%	26.5%	23.1%	23.8%	19.9%	24.1%	29.3%
48	20.1%	15.2%	23.5%	23.5%	21.2%	17.8%	17.7%	20.2%	21.9%
49	-28.9%	-25.4%	-27.3%	-29.8%	-32.8%	-25.1%	-30.0%	-30.8%	-30.2%

District	8 Elections Differential	2016 Senate Differential	2016 President Differential	2018 Attorney General Differential	2018 Governor Differential	2018 Treasurer Differential	2018 Secretary of State Differential	2018 CU Regent at Large Differential	2020 Senate Differential
50	-6.2%	-10.8%	-3.5%	-2.7%	-4.4%	-13.6%	-6.8%	-4.1%	-3.7%
51	11.4%	13.2%	18.4%	13.0%	7.7%	10.7%	8.8%	10.3%	8.8%
52	-19.1%	-14.0%	-17.2%	-17.1%	-24.1%	-18.3%	-18.6%	-20.2%	-23.2%
53	-44.0%	-36.7%	-40.3%	-45.2%	-49.9%	-43.6%	-44.2%	-47.2%	-45.2%
54	45.0%	45.1%	52.6%	45.6%	40.1%	44.3%	43.9%	42.8%	45.6%
55	23.9%	25.0%	29.5%	25.0%	17.9%	24.8%	24.6%	21.6%	22.7%
56	53.7%	49.4%	58.6%	55.9%	52.6%	53.6%	51.8%	53.7%	53.6%
57	-15.7%	-13.6%	-11.6%	-17.0%	-18.7%	-14.2%	-16.3%	-17.3%	-16.7%
58	12.8%	14.1%	19.7%	12.3%	8.7%	12.7%	11.1%	10.8%	12.8%
59	-2.2%	-0.4%	2.4%	-3.2%	-4.7%	-3.1%	-1.5%	-4.4%	-2.9%
60	37.2%	35.9%	45.5%	37.8%	33.6%	36.7%	33.3%	36.2%	38.4%
61	-0.5%	2.6%	0.3%	2.7%	-3.4%	0.0%	-1.0%	-2.2%	-3.1%
62	-17.0%	-21.5%	-13.4%	-15.9%	-17.2%	-18.0%	-19.9%	-18.8%	-11.7%
63	53.8%	41.4%	58.1%	56.1%	55.4%	54.1%	52.4%	55.7%	57.6%
64	25.5%	22.4%	28.9%	29.4%	25.0%	21.3%	24.4%	27.9%	24.9%
65	25.0%	24.4%	27.5%	26.5%	22.1%	24.8%	24.1%	26.2%	24.8%

Results are reported as the difference between the percent of votes cast for the Republican candidate and the percent of votes cast for the Democratic candidate. A positive differential means the Republican won, and a negative differential means the Democrat won.

Source: Data provided by the Colorado Secretary of State's Office. Calculations prepared by Colorado Independent Redistricting Commissions Staff.
October 14, 2021



Colorado Independent
Redistricting Commissions

Appendix C
Active Registered Voters*
Plan: 2021 Final Approved House Plan

District	Republican	Democrat	Minor Party**	Unaffiliated	Total
1	8,303	20,409	1,042	21,990	51,744
	16.0%	39.4%	2.0%	42.5%	
2	9,332	28,164	861	28,066	66,423
	14.0%	42.4%	1.3%	42.3%	
3	10,531	19,399	1,136	24,268	55,334
	19.0%	35.1%	2.1%	43.9%	
4	5,087	27,095	1,054	24,440	57,676
	8.8%	47.0%	1.8%	42.4%	
5	4,782	25,016	1,074	24,310	55,182
	8.7%	45.3%	1.9%	44.1%	
6	4,966	30,412	1,162	24,600	61,140
	8.1%	49.7%	1.9%	40.2%	
7	3,855	22,189	773	18,511	45,328
	8.5%	49.0%	1.7%	40.8%	
8	3,978	34,603	1,011	25,016	64,608
	6.2%	53.6%	1.6%	38.7%	
9	7,815	24,794	1,167	24,297	58,072
	13.5%	42.7%	2.0%	41.8%	
10	3,552	29,085	852	23,096	56,586
	6.3%	51.4%	1.5%	40.8%	
11	10,102	20,724	1,021	26,683	58,529
	17.3%	35.4%	1.7%	45.6%	
12	8,159	27,352	779	27,796	64,086
	12.7%	42.7%	1.2%	43.4%	
13	18,657	17,303	1,345	31,545	68,850
	27.1%	25.1%	2.0%	45.8%	
14	26,071	10,950	1,160	28,739	66,920
	39.0%	16.4%	1.7%	42.9%	
15	18,727	10,137	1,313	24,590	54,766
	34.2%	18.5%	2.4%	44.9%	
16	16,170	14,387	1,446	25,770	57,773
	28.0%	24.9%	2.5%	44.6%	
17	9,269	12,872	1,303	21,267	44,710
	20.7%	28.8%	2.9%	47.6%	
18	17,619	15,430	1,410	27,297	61,756
	28.5%	25.0%	2.3%	44.2%	
19	17,199	15,810	1,103	28,851	62,963
	27.3%	25.1%	1.8%	45.8%	
20	30,312	8,085	1,123	26,644	66,163
	45.8%	12.2%	1.7%	40.3%	
21	13,189	9,193	1,191	21,228	44,800
	29.4%	20.5%	2.7%	47.4%	
22	21,895	11,024	1,304	26,281	60,504
	36.2%	18.2%	2.2%	43.4%	
23	13,249	21,509	1,235	29,164	65,157
	20.3%	33.0%	1.9%	44.8%	
24	16,565	19,605	1,122	29,615	66,907
	24.8%	29.3%	1.7%	44.3%	
25	21,210	17,543	1,115	32,237	72,105
	29.4%	24.3%	1.5%	44.7%	
26	17,709	14,569	1,049	28,318	61,646
	28.7%	23.6%	1.7%	45.9%	
27	16,016	19,004	1,094	29,648	65,761
	24.4%	28.9%	1.7%	45.1%	
28	17,121	16,593	1,023	27,902	62,638
	27.3%	26.5%	1.6%	44.5%	
29	14,198	18,846	1,087	28,384	62,515
	22.7%	30.1%	1.7%	45.4%	
30	10,307	20,581	1,225	26,080	57,193
	18.0%	36.0%	2.1%	43.9%	
31	8,697	15,552	1,000	21,191	46,440
	18.7%	33.5%	2.2%	45.6%	
32	8,881	16,245	932	20,792	46,849
	19.0%	34.7%	2.0%	44.4%	
33	14,730	18,077	995	28,560	62,361
	23.6%	29.0%	1.6%	45.8%	
34	12,964	16,817	1,115	26,161	56,056
	23.1%	30.0%	2.0%	44.9%	
35	7,016	17,744	1,047	20,861	46,667
	15.0%	38.0%	2.2%	44.7%	
36	7,206	16,444	941	19,092	43,683
	16.5%	37.6%	2.2%	43.7%	
37	17,161	17,462	847	26,981	62,411
	27.5%	27.9%	1.4%	43.2%	
38	19,703	18,358	1,124	29,211	68,397

District	Republican	Democrat	Minor Party**	Unaffiliated	Total
	28.8%	26.8%	1.6%	42.7%	
39	26,121 38.2%	12,728 18.6%	922 1.3%	28,575 41.8%	68,346
40	12,424 20.7%	19,772 32.9%	1,129 1.9%	26,724 44.5%	60,049
41	9,591 17.5%	21,346 39.0%	1,086 2.0%	22,735 41.5%	54,759
42	5,109 12.6%	17,518 43.3%	956 2.4%	16,895 41.7%	40,478
43	21,855 32.8%	15,080 22.7%	868 1.3%	28,736 43.2%	66,538
44	22,467 34.7%	12,494 19.3%	1,053 1.6%	28,776 44.4%	64,790
45	25,016 38.5%	11,228 17.3%	1,146 1.8%	27,648 42.5%	65,038
46	14,552 23.6%	23,318 37.8%	1,059 1.7%	22,767 36.9%	61,695
47	20,787 35.4%	14,985 25.5%	1,017 1.7%	21,981 37.4%	58,770
48	17,615 31.4%	12,989 23.2%	1,046 1.9%	24,457 43.6%	56,108
49	14,482 20.1%	26,280 36.4%	1,193 1.7%	30,198 41.9%	72,153
50	9,590 23.5%	11,254 27.6%	1,019 2.5%	18,899 46.4%	40,762
51	20,946 31.9%	14,495 22.1%	1,208 1.8%	29,006 44.2%	65,656
52	15,115 22.9%	19,781 29.9%	1,115 1.7%	30,058 45.5%	66,069
53	8,747 15.2%	20,800 36.3%	1,324 2.3%	26,503 46.2%	57,374
54	27,205 43.4%	8,671 13.8%	1,176 1.9%	25,697 41.0%	62,749
55	22,358 37.1%	11,227 18.7%	1,190 2.0%	25,411 42.2%	60,185
56	31,000 47.3%	8,068 12.3%	1,113 1.7%	25,426 38.8%	65,607
57	13,285 23.0%	16,356 28.3%	1,090 1.9%	26,968 46.7%	57,698
58	23,331 35.2%	14,950 22.6%	1,154 1.7%	26,832 40.5%	66,268
59	20,853 30.5%	17,782 26.0%	1,303 1.9%	28,519 41.7%	68,458
60	27,671 42.6%	10,424 16.1%	1,230 1.9%	25,565 39.4%	64,890
61	18,164 28.0%	17,027 26.2%	883 1.4%	28,811 44.4%	64,884
62	12,769 22.4%	22,763 39.9%	1,045 1.8%	20,443 35.9%	57,020
63	27,275 48.6%	7,443 13.3%	857 1.5%	20,582 36.7%	56,157
64	23,325 36.7%	12,222 19.2%	1,122 1.8%	26,898 42.3%	63,567
65	24,954 38.6%	11,353 17.6%	1,039 1.6%	27,308 42.2%	64,654

*As of June 15, 2021.

**Minor Party registrations include: American Constitution, Approval Voting, Green, Libertarian, and Unity.

Source: Colorado Secretary of State.

October 14, 2021

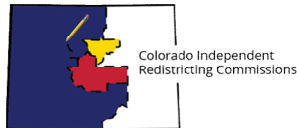


APPENDIX D
Statewide Election Results by District
Plan: Final Senate Plan

District	8 Elections Differential	2016 Senate Differential	2016 President Differential	2018 Attorney General Differential	2018 Governor Differential	2018 Treasurer Differential	2018 Secretary of State Differential	2018 CU Regent at Large Differential	2020 Senate Differential
1	43.8%	34.6%	47.6%	47.2%	45.0%	41.4%	42.7%	46.3%	45.5%
2	23.3%	26.0%	25.9%	26.7%	20.5%	23.7%	21.7%	22.6%	19.6%
3	-5.1%	-10.1%	0.5%	-3.4%	-6.5%	-5.3%	-9.6%	-5.7%	-0.8%
4	23.5%	24.7%	29.8%	24.3%	20.2%	23.3%	21.1%	22.8%	22.0%
5	3.0%	4.5%	8.8%	2.1%	-0.9%	3.6%	1.5%	1.3%	3.1%
6	-0.9%	-0.9%	3.9%	-1.3%	-2.7%	-1.7%	-1.1%	-3.0%	-0.2%
7	33.0%	34.1%	39.7%	33.8%	27.1%	33.1%	32.9%	30.6%	32.4%
8	-6.6%	-4.7%	-1.8%	-7.2%	-10.6%	-5.0%	-6.8%	-7.6%	-8.9%
9	33.4%	36.3%	34.7%	34.7%	30.2%	33.8%	36.4%	33.4%	27.4%
10	23.8%	27.8%	29.1%	24.6%	20.1%	23.3%	25.0%	22.6%	17.7%
11	-2.4%	1.7%	5.4%	-2.9%	-6.2%	-4.0%	-2.8%	-5.3%	-5.3%
12	2.4%	5.2%	7.4%	1.7%	-2.5%	1.0%	6.0%	0.2%	0.5%
13	3.7%	-0.7%	6.8%	7.3%	5.1%	-1.5%	2.1%	4.7%	5.8%
14	-33.3%	-27.3%	-30.6%	-33.1%	-38.7%	-32.7%	-33.1%	-35.5%	-35.7%
15	0.0%	3.0%	5.1%	0.6%	-3.9%	0.8%	-2.4%	-1.3%	-1.7%
16	-0.1%	1.3%	0.6%	3.8%	-3.1%	1.0%	0.8%	-0.5%	-5.0%
17	-29.6%	-24.0%	-28.2%	-29.8%	-33.9%	-26.5%	-29.5%	-31.3%	-33.6%
18	-65.0%	-62.2%	-68.2%	-66.6%	-69.3%	-57.0%	-63.1%	-66.6%	-66.8%
19	-9.2%	-6.1%	-4.7%	-6.4%	-12.5%	-9.4%	-9.9%	-11.0%	-13.4%
20	-7.1%	-5.2%	-5.9%	-4.1%	-10.2%	-6.2%	-6.6%	-8.3%	-10.7%
21	-13.8%	-13.3%	-9.3%	-11.5%	-14.4%	-15.3%	-16.2%	-16.1%	-14.0%
22	-28.4%	-25.3%	-24.3%	-26.8%	-31.4%	-28.3%	-28.5%	-30.7%	-31.7%
23	21.5%	21.7%	24.3%	23.4%	19.0%	21.6%	20.1%	22.1%	20.1%
24	-9.1%	-7.6%	-5.2%	-6.3%	-10.9%	-10.6%	-11.3%	-11.1%	-9.6%
25	-16.0%	-12.9%	-13.0%	-14.1%	-19.6%	-16.0%	-16.5%	-17.3%	-18.8%
26	-25.1%	-22.8%	-25.2%	-22.9%	-27.3%	-23.5%	-23.9%	-26.2%	-29.2%
27	-4.7%	-0.9%	-3.4%	-1.9%	-7.7%	-4.2%	-4.9%	-6.6%	-7.9%
28	-32.4%	-29.1%	-30.3%	-29.8%	-33.8%	-33.0%	-33.3%	-35.4%	-34.5%
29	-29.4%	-26.9%	-26.9%	-26.2%	-31.4%	-30.0%	-30.1%	-32.1%	-31.9%
30	11.7%	14.2%	11.1%	16.1%	9.0%	13.5%	12.1%	11.6%	6.2%
31	-60.4%	-57.8%	-64.1%	-60.3%	-63.2%	-57.0%	-56.6%	-61.9%	-62.5%
32	-46.8%	-43.7%	-46.9%	-45.5%	-49.4%	-45.8%	-45.8%	-48.9%	-48.7%
33	-70.8%	-67.8%	-74.3%	-70.0%	-72.7%	-69.3%	-69.1%	-73.2%	-69.9%
34	-63.9%	-60.7%	-66.1%	-64.4%	-66.7%	-61.3%	-62.3%	-66.5%	-63.3%
35	44.8%	39.8%	50.5%	46.6%	43.5%	44.5%	42.4%	44.8%	46.1%

Results are reported as the difference between the percent of votes cast for the Republican candidate and the percent of votes cast for the Democratic candidate. A positive differential means the Republican won, and a negative differential means the Democrat won.

Source: Data provided by the Colorado Secretary of State's Office. Calculations prepared by Colorado Independent Redistricting Commissions Staff.
 October 14, 2021



APPENDIX E
Active Registered Voters*
Plan: 2021 Final Approved Senate Plan

District	Republican	Democrat	Minor Party**	Unaffiliated	Total
1	47,340 44.0%	16,731 15.6%	1,731 1.6%	41,728 38.8%	107,530
2	44,358 36.5%	22,167 18.2%	2,090 1.7%	52,857 43.5%	121,471
3	27,491 24.5%	40,571 36.1%	2,037 1.8%	42,315 37.6%	112,414
4	50,112 37.7%	25,258 19.0%	2,461 1.8%	55,192 41.5%	133,023
5	33,004 30.3%	26,353 24.2%	2,012 1.8%	47,718 43.7%	109,087
6	36,702 30.7%	33,845 28.3%	2,124 1.8%	46,883 39.2%	119,553
7	44,293 39.7%	18,487 16.6%	2,156 1.9%	46,608 41.8%	111,544
8	31,237 27.1%	28,424 24.7%	2,133 1.8%	53,486 46.4%	115,280
9	47,907 40.1%	18,738 15.7%	2,036 1.7%	50,729 42.5%	119,409
10	39,419 34.9%	21,712 19.2%	2,562 2.3%	49,315 43.6%	113,009
11	21,388 24.0%	23,137 26.0%	2,551 2.9%	42,028 47.2%	89,104
12	29,381 28.4%	24,812 24.0%	2,483 2.4%	46,896 45.3%	103,573
13	22,602 26.4%	22,544 26.4%	1,865 2.2%	38,462 45.0%	85,473
14	20,056 18.5%	36,627 33.9%	2,195 2.0%	49,248 45.5%	108,126
15	35,937 28.8%	32,095 25.7%	2,211 1.8%	54,413 43.7%	124,656
16	37,600 29.6%	32,719 25.7%	1,939 1.5%	54,827 43.1%	127,084
17	20,692 18.0%	40,237 34.9%	1,836 1.6%	52,419 45.5%	115,184
18	9,666 8.6%	55,043 48.9%	1,474 1.3%	46,480 41.3%	112,664
19	29,307 24.2%	35,605 29.4%	2,036 1.7%	54,168 44.7%	121,115
20	32,916 25.8%	35,666 27.9%	2,045 1.6%	57,170 44.7%	127,796
21	19,280 20.6%	31,062 33.3%	1,892 2.0%	41,138 44.1%	93,373
22	20,105 18.2%	38,876 35.1%	2,320 2.1%	49,461 44.7%	110,763
23	40,823 35.2%	22,369 19.3%	2,043 1.8%	50,746 43.8%	115,982
24	22,358 22.6%	30,204 30.5%	1,906 1.9%	44,646 45.0%	99,114
25	24,290 21.8%	34,488 30.9%	2,057 1.8%	50,627 45.4%	111,463
26	21,917 20.4%	37,120 34.6%	2,012 1.9%	46,311 43.1%	107,360
27	29,900 26.2%	31,528 27.6%	1,757 1.5%	50,865 44.6%	114,050
28	12,681 15.9%	30,884 38.7%	1,720 2.2%	34,429 43.2%	79,714
29	17,040 17.5%	37,038 38.1%	1,967 2.0%	41,157 42.3%	97,202
30	42,881 34.2%	26,744 21.3%	1,620 1.3%	54,102 43.2%	125,348
31	12,371 10.2%	56,595 46.6%	2,021 1.7%	50,431 41.5%	121,418
32	13,571 13.3%	43,462 42.7%	1,932 1.9%	42,762 42.0%	101,727
33	7,025 7.2%	50,649 51.9%	1,536 1.6%	38,433 39.4%	97,644
34	9,335 8.7%	49,913 46.5%	2,026 1.9%	46,177 43.0%	107,451
35	53,923 44.3%	20,022 16.4%	2,140 1.8%	45,667 37.5%	121,752

*As of June 15, 2021.

**Minor Party registrations include: American Constitution, Approval Voting, Green, Libertarian, and Unity.

Source: Colorado Secretary of State.

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