TO: 2021 Citizens Redistricting Commission

FROM: Q2/Karin Mac Donald

DATE: December 19, 2021

RE: Deferral and Numbering System for Senate Districts – Implementation of

Methodology and Results

Below, please find a brief explanation of the Senate Deferral Process and the resulting assignment of odd and even district numbers for the proposed Senate Districts.

Population residing in an even numbered district due to elect a State Senator in 2022 will be 'deferred' if moved to an odd numbered district due to elect in 2024.

Below is a brief description of the steps used to minimize the number of persons deferred, followed by the results and the analysis of the outcome of numbering for the process.

## I. Assigning Senate Districts to Odd/Even Pools

Step 1- The number of people for each district in the Senate plan currently in an even district was calculated.

Step 2- The 20 districts with the most people currently in an even district were assigned to the 'even pool.' The remaining districts were assigned to the 'odd pool.'

<sup>&</sup>lt;sup>1</sup> The 20 districts assigned to the pools of 'even' or 'odd' districts are the same irrespective of whether they were calculated based on the total number of persons or the percent of the population that is allocated to an even or odd district.

Table I: Pool of even numbered districts:

District	Pop. Even	% Even	Pop. Odd	% Odd
SBENFRESNO	998,216	100.00%	0	0.00%
WESTOF110	950,235	96.39%	35,588	3.61%
SACRAMENTO	945,172	100.00%	0	0.00%
KINGS-KERN	942,212	100.00%	0	0.00%
FRESNO-KERN	939,354	100.00%	0	0.00%
SECA	938,898	98.13%	17,848	1.87%
SDNELA	931,419	98.17%	17,404	1.83%
NCOAST	925,539	93.34%	66,032	6.66%
SD10WE	905,233	89.67%	104,242	10.33%
EDENTECH	854,196	82.42%	182,180	17.58%
SDSHORELINE	826,117	79.77%	209,505	20.23%
SD60X605	788,911	79.58%	202,328	20.42%
SOC-NSD	767,138	78.66%	208,150	21.34%
SD-POW-ESC	707,881	74.31%	244,729	25.69%
N-OC-COAST	659,350	66.71%	329,007	33.29%
PLACER-ED	610,750	63.17%	356,013	36.83%
SCSFV	576,906	60.98%	369,171	39.02%
ECA	562,840	54.54%	469,216	45.46%
SWRC	537,156	57.14%	402,860	42.86%
SAA	524,664	55.30%	424,024	44.70%

Table II: Pool of odd numbered districts:

District	Pop. Even	% Even	Pop. Odd	% Odd
NORCA	511,255	54.46%	427,579	45.54%
COR-CAJON	504,418	48.69%	531,616	51.31%
POF	486,716	51.59%	456,747	48.41%
MCV	461,645	48.46%	491,020	51.54%
EVENTSFV	376,124	37.87%	617,016	62.13%
SD210	371,099	35.87%	663,442	64.13%
MIDCOAST	299,951	30.18%	693,970	69.82%
сосо	143,988	14.51%	848,670	85.49%
SPCC	139,893	14.67%	813,928	85.33%
710TOWATER	131,718	12.71%	904,574	87.29%
IOC	120,633	11.83%	899,311	88.17%
NAPABYRON	71,097	6.87%	963,673	93.13%
SBRC	28,821	3.02%	926,319	96.98%
SANJOSE	27,623	2.68%	1,004,947	97.32%
SSACSTANIS	149	0.01%	1,020,985	99.99%
ANTIVICAL	120	0.01%	1,033,629	99.99%
SD80CORR	0	0.00%	960,880	100.00%
PENINSULA	0	0.00%	1,012,486	100.00%
SF	0	0.00%	1,022,311	100.00%
SCOAST	0	0.00%	1,024,600	100.00%

## II. Assigning Senate Districts Individual Numbers (Geographic Method)

Step 1- The even numbered districts were assigned a district number starting at the Oregon border and moving from north to south, continuing with the most northern point of each district until all even numbers (2, 4, 6...40) had been assigned.

Step 2- The odd numbered districts were assigned a district number starting at the Oregon border and moving from north to south, continuing with the most northern point of each district until all odd numbers (1, 3, 5...39) had been assigned.

## Table III: Senate Numbering

01	NORCA
02	NCOAST
03	NAPABYRON
04	ECA
05	SSACSTANIS
06	PLACER-ED
07	SD80CORR
08	SACRAMENTO
09	сосо
10	EDENTECH

11	SF
	FRESNO-
12	KERN
13	PENINSULA
14	SBENFRESNO
15	SANJOSE
16	KINGS-KERN
17	MIDCOAST
18	SECA
19	MCV
20	SCSFV

21	SCOAST
22	SD10WE
23	ANTIVICAL
24	SDSHORELINE
25	SD210
26	SDNELA
27	EVENTSFV
28	WESTOF110
29	POF
30	SD60X605

31	SBRC
32	SWRC
33	710TOWATER
34	SAA
35	SPCC
36	N-OC-COAST
37	IOC
38	SOC-NSD
39	COR-CAJON
40	SD-POW-ESC
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