

GENERAL ASSEMBLY OF NORTH CAROLINA  
SESSION 2007

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SENATE BILL 1093

Short Title: Redistricting Reform. (Public)

Sponsors: Senators Brock; Allran, Apodaca, Berger of Rockingham, Blake, Brown, East, Forrester, Goodall, Hunt, Pittenger, Preston, Smith, and Tillman.

Referred to: Ways and Means.

March 21, 2007

A BILL TO BE ENTITLED

AN ACT TO AMEND THE CONSTITUTION TO REFORM LEGISLATIVE AND CONGRESSIONAL REDISTRICTING.

The General Assembly of North Carolina enacts:

**SECTION 1.** Section 3 of Article II of the Constitution of North Carolina reads as rewritten:

**"Sec. 3. Senate districts; apportionment of Senators.**

The Senators shall be elected from districts. ~~The General Assembly, at the first regular session convening~~ Secretary of State, beginning as soon as practical after the return of every decennial census of population taken by order of Congress, shall ~~revise~~ supervise the revision of the senate districts and the apportionment of Senators among those ~~districts,~~ districts by the people of North Carolina, according to the process described in Section 26 of this Article, subject to the requirements in that section and both the following requirements:

(1) Each Senator shall ~~represent, as nearly as may be, an equal~~ represent a number of inhabitants, inhabitants which shall not differ from the ideal by more than three percent (3%), the ideal number of inhabitants that each Senator represents being determined for this purpose by dividing the population of the district that he represents State by the number of Senators apportioned to that district;~~50.~~

~~(2) Each senate district shall at all times consist of contiguous territory;~~

~~(3) No county shall be divided in the formation of a senate district;~~

~~(4)(2) When established, the senate districts and the apportionment of Senators shall remain unaltered until the return of another decennial census of population taken by order of Congress."~~

**SECTION 2.** Section 5 of Article II of the Constitution of North Carolina reads as rewritten:

**"Sec. 5. Representative districts; apportionment of Representatives.**

1 The Representatives shall be elected from districts. The ~~General Assembly, at the~~  
2 ~~first regular session convening~~ Secretary of State, beginning as soon as practical after  
3 the return of every decennial census of population taken by order of Congress, shall  
4 ~~revise~~ supervise the revision of the representative districts and the apportionment of  
5 Representatives among those ~~districts,~~ districts by the people of North Carolina,  
6 according to the process described in Section 26 of this Article, subject to the  
7 requirements in that section and both the following requirements:

8 (1) Each Representative shall ~~represent, as nearly as may be, an equal~~ represent a  
9 number of ~~inhabitants,~~ inhabitants which shall not differ from the ideal by more than  
10 three percent (3%), the ideal number of inhabitants that each Representative represents  
11 being determined for this purpose by dividing the population of the ~~district that he~~  
12 represents ~~State by the number of Representatives apportioned to that district;~~ 120.

13 (2) ~~Each representative district shall at all times consist of contiguous territory;~~

14 (3) ~~No county shall be divided in the formation of a representative district;~~

15 (4)(2) ~~When established, the representative districts and the apportionment of~~  
16 ~~Representatives shall remain unaltered until the return of another decennial census of~~  
17 ~~population taken by order of Congress."~~

18 **SECTION 3.** Section 6 of Article II of the Constitution of North Carolina  
19 reads as rewritten:

20 **"Sec. 6. Qualifications for Senator.**

21 Each Senator, at the time of his election, shall be not less than 25 years of age, shall  
22 be a qualified voter of the State, and shall have resided in the State as a citizen for two  
23 years and in the district for which ~~he~~ the Senator is chosen for one year immediately  
24 preceding ~~his election.~~ the Senator's election, unless the boundaries of any senate district  
25 were revised less than 15 months before the general election, in which case the Senator  
26 shall have established residence in the district no later than three months after the date  
27 the boundaries were last revised."

28 **SECTION 4.** Section 7 of Article II of the Constitution of North Carolina  
29 reads as rewritten:

30 **"Sec. 7. Qualifications for Representative.**

31 Each Representative, at the time of his election, shall be a qualified voter of the  
32 State, and shall have resided in the district for which ~~he~~ the Representative is chosen for  
33 one year immediately preceding ~~his election.~~ the Representative's election, unless the  
34 boundaries of any representative district were revised less than 15 months before the  
35 general election, in which case the Representative shall have established residence in  
36 the district no later than three months after the date the boundaries were last revised."

37 **SECTION 5.** Article II of the Constitution of North Carolina is amended by  
38 adding a new section to read:

39 **"Sec. 25. Congressional districts.**

40 Members of the House of Representatives of the United States shall be elected from  
41 districts. The Secretary of State, beginning as soon as practical after the return of the  
42 decennial census of population taken by order of Congress, shall supervise the revision  
43 of the congressional districts and the apportionment of United States Representatives  
44 among those districts by the people of North Carolina, according to the process

1 described in Section 26 of this Article, subject to the requirements of that section and  
2 both the following requirements:

3 (1) Each United States Representative shall represent a number of inhabitants  
4 which shall not differ from the ideal by more than the lesser of three percent (3%) or the  
5 limit set by federal law, the ideal number of inhabitants that each Representative  
6 represents being determined for this purpose by dividing the population of the State by  
7 the number of United States House seats to which North Carolina is entitled by federal  
8 law.

9 (2) When established, the congressional districts shall remain unaltered until the  
10 return of another decennial census population taken by order of Congress."

11 **SECTION 6.** Article II of the Constitution of North Carolina is amended by  
12 adding a new section to read:

13 **"Sec. 26. Process of defining districts.**

14 (1) Legislative and congressional districts shall be revised by the citizens of  
15 North Carolina, under the supervision of the Secretary of State. The General Assembly  
16 shall not adopt any legislative or congressional district plan.

17 (2) Any citizen of the State of North Carolina may submit one or more proposed  
18 redistricting plans to the Secretary of State for any or each type of district: The North  
19 Carolina House of Representatives, North Carolina Senate, and United States House of  
20 Representatives.

21 (3) Each plan submitted to the Secretary of State shall be accompanied by a  
22 nonrefundable fee of one hundred dollars (\$100.00), unless waived per subsection (9) of  
23 this section.

24 (4) The proposed redistricting plans shall be submitted to the Secretary of State  
25 electronically, in a manner and format to be determined by the Secretary of State for the  
26 mutual convenience of the citizens and the Secretary of State.

27 (5) The Secretary of State shall have the responsibility for evaluating each such  
28 plan according to the criteria of this Article. Each plan shall first be evaluated for  
29 compliance with the mandatory requirements. Plans which do not comply with the  
30 mandatory requirements shall not be scored for quality. Plans which comply with the  
31 mandatory requirements shall be scored for quality according to the criteria of this  
32 section.

33 (6) The Secretary of State shall accept the proposed redistricting plans for a  
34 Submission Period of 90 days. At the end of the Submission Period, the Secretary of  
35 State shall announce which submitted plan for each type of district had the highest total  
36 quality score. Those plans shall be adopted to define the legislative and congressional  
37 districts until the return of another decennial census of population taken by order of  
38 Congress.

39 (7) Each weekday during the Submission Period, or as frequently as practical, but  
40 not less than once per week, the Secretary of State shall post on its Web site the 10  
41 highest-scoring proposed plans received so far for each type of district, based on each  
42 plan's total quality score. The highest-scoring plan for each type of district shall be  
43 called the Leading Plan for that day.

1       (8) Each proposed plan submitted to the Secretary of State shall become public  
2 information. Both the data file defining each plan and each plan's total quality score and  
3 component scores shall be made public as quickly as practical on the Secretary of  
4 State's Web site, so that other citizens may use them when creating other proposed  
5 plans.

6       (9) The fee for submitting a plan shall be waived or refunded if that plan is  
7 determined by the Secretary of State to be the Leading Plan for the day.

8       (10) The State of North Carolina shall create, place into the public domain and  
9 make available to the public, computer software for designing and scoring redistricting  
10 plans, including the software that the Secretary of State uses to evaluate proposed plans.  
11 The source code for all such software shall also be placed into the public domain, and  
12 made available to the public. Such software may be dependent upon the use of  
13 commercially available software, but the cost of the required commercially available  
14 software shall be as small as practical to avoid being an impediment to citizen  
15 participation in the redistricting process.

16       (11) The following are mandatory requirements for all proposed redistricting  
17 plans:

18       (a) Each district shall consist of contiguous territory. Point-contiguity  
19 shall not be considered contiguous.

20       (b) One and only one State Senator, State Representative, or United States  
21 Representative shall represent each district.

22       (c) The districts shall comply with federal law.

23       (12) The total quality score for each proposed redistricting plan shall be computed  
24 as the sum of three component scores, each of which is chosen to achieve a particular  
25 goal. The three goals are: compactness, one person, one vote, and minimizing the  
26 number of split counties, municipalities, and precincts:

27       (a) The goal of compactness is to avoid elongated and irregular districts.  
28 The component score which quantifies this goal shall be the Reock  
29 quotient for the plan. The 'Reock quotient for the plan' means the  
30 average of the Reock quotients for each proposed district in the plan.  
31 The Reock quotient for a district is the area of the district divided by  
32 the area of the smallest possible enclosing circle, a number between 0  
33 and 1.

34       (b) The goal of one person, one vote is to ensure that each voter's vote is  
35 of equal importance. The component score that quantifies this goal  
36 shall be computed as follows: First, compute X, the 'ideal district  
37 voting strength,' which means the total number of votes cast in the  
38 most recent gubernatorial election divided by the number of districts in  
39 the State. Then, for each proposed district, compute Y, the number of  
40 those voters who resided in the proposed district. Then, for each  
41 proposed district, divide the smaller of X and Y by the larger of X and  
42 Y, resulting in a number between 0 and 1. Finally, average these  
43 quotients for all the districts in the plan.

1 (c) The goal of minimizing the number of split counties, municipalities,  
2 and precincts is quantified by calculating a component score as  
3 follows: First, for each county, municipality, or precinct (hereafter  
4 'geographic entity') which the plan splits, calculate the number of  
5 'excess splits,' and cube that number. Then sum these cubed numbers,  
6 divide the sum by twice the number of districts in the State, and  
7 subtract the quotient from 1. The result is the component score for this  
8 goal, a number less than or equal to 1. The number of excess splits for  
9 a geographic entity is calculated as follows: First, calculate X, the ideal  
10 number of districts to represent that geographic entity. For precincts, X  
11 is always equal to 1. Otherwise, X is defined as ninety-nine percent  
12 (99%) of the population of the county or municipality, divided by the  
13 ideal population of a district, rounded up to the next integer. Then  
14 define Y, the number of districts into which the geographic entity is  
15 split by the proposed plan. If Y is not greater than X, the number of  
16 excess splits is zero. If Y is greater than X, the number of excess splits  
17 is Y minus X."

18 **SECTION 7.** Article II of the Constitution of North Carolina is amended by  
19 adding a new section to read:

20 **"Sec. 27. Process of redefining districts if required by courts.**

21 If any redistricting plan adopted in accordance with the process in Section 26 of this  
22 Article is invalidated by a court decision, the State of North Carolina shall first exhaust  
23 all legal remedies in appealing that decision to reinstate the districts. But if the decision  
24 cannot be reversed, the citizens of North Carolina shall create revised districts under the  
25 supervision of the Secretary of State, according to the process in Section 26 of this  
26 Article, except that the Submission Period shall be shortened to 45 days."

27 **SECTION 8.** The amendments set out in Sections 1 through 7 of this act  
28 shall be submitted to the qualified voters of the State at the general election in  
29 November 2008, which election shall be conducted under the laws then governing  
30 elections in the State. Ballots, voting systems, or both may be used in accordance with  
31 Chapter 163 of the General Statutes. The question to be used in the voting systems and  
32 ballots shall be:

33 "[ ] FOR [ ] AGAINST

34 A constitutional amendment to eliminate gerrymandering by providing for the  
35 citizens of the State of North Carolina to redistrict the State for the purpose of electing  
36 members of the General Assembly and members of the United States House of  
37 Representatives into districts designed with the goals of compactness, smallest number  
38 of split counties and cities, and one person, one vote."

39 **SECTION 9.** If a majority of votes cast on the question are in favor of the  
40 amendments set out in Sections 1 through 7 of this act, the State Board of Elections  
41 shall certify the amendments to the Secretary of State. The amendments become  
42 effective upon this certification. The Secretary of State shall enroll the amendments so  
43 certified among the permanent records of that office.

44 **SECTION 10.** This act is effective when it becomes law.